

15TH ANNIVERSARY YEAR

# SCUBA TIMES

THE ACTIVE DIVER'S MAGAZINE

APRIL 1994

1994 ANNUAL

LIVE-ABOARD  
CHART

**DIVING**  
WITH SHARKS

GREAT COMPUTER  
ROUNDUP

**PLUS**

UNDISCOVERED  
BELIZE

BRITISH  
COLUMBIA

MAURITIUS

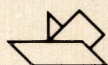
RELEARN  
YOUR ABC'S

CHILL OUT  
BY ICE DIVING

CLUB SCUBA TIMES



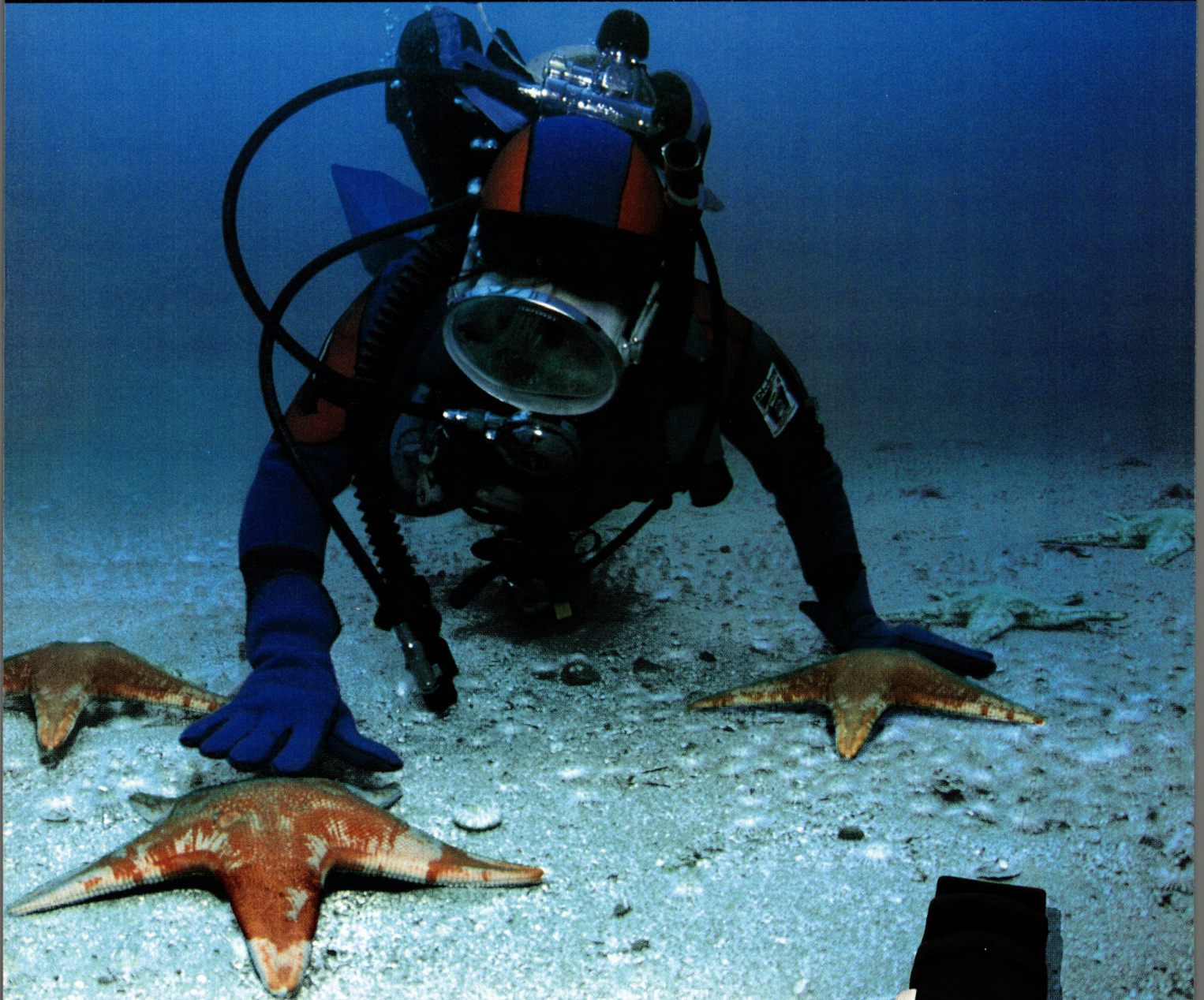
For Best Diving,  
See Dive Store  
Listing, Page 90



48765

US \$2.99  
CANADA \$3.50  
UK £2.20

# CITIZEN. HOW THE WORLD TELLS TIME.

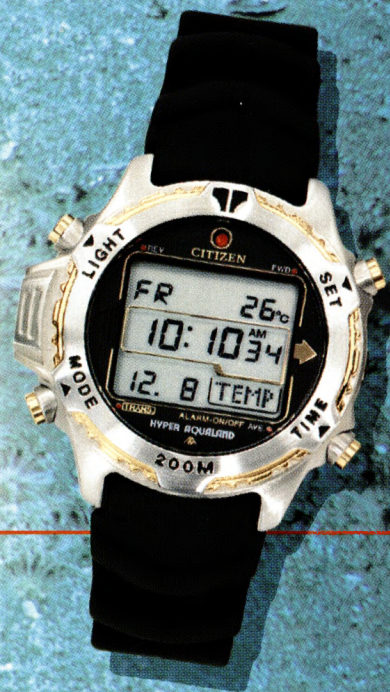


## INTRODUCING THE FIRST DIVING WATCH WITH A PURPOSE ON LAND.



The new Hyper Aqualand is the most advanced member of the Citizen Aqualand family, and the first to let you use your PC for diving analysis. Underwater, it displays water temperature, depth, and elapsed time and has alarms for ascent rate and low battery. At the surface, you'll appreciate its dive log memory. That means people like Chris Woodward can transfer the data to their PCs. Then Chris can graph and print the results for dive comparisons. In fact, with the new Hyper Aqualand, he can dive with or without water.

Interface and custom-designed software provided. PC, cable and printer not included.



**Service**  
MERCHANDISE

FOR THE STORE NEAREST YOU OR MAIL ORDER 1-800-251-1212

© 1994 Citizen Watch Company of America, Inc.

# Breathing here

is like breathing here  
with a TUSA regulator.



*The Imprex  
TR400 and SS400  
2nd Stage.*

Breathing  
becomes second  
nature when you're using our new  
lightweight, user-friendly, TUSA  
Imprex Regulator.

Which is why TUSA developed  
the Imprex with an adjust-  
able primary second  
stage, a larger piston and  
hi-flow hose allowing  
a larger volume of air  
at any depth or tank  
pressure.

The adjustment knob offers  
smooth breathing rates while the  
deflector provides balanced, posi-  
tive aspiration at any depth. The

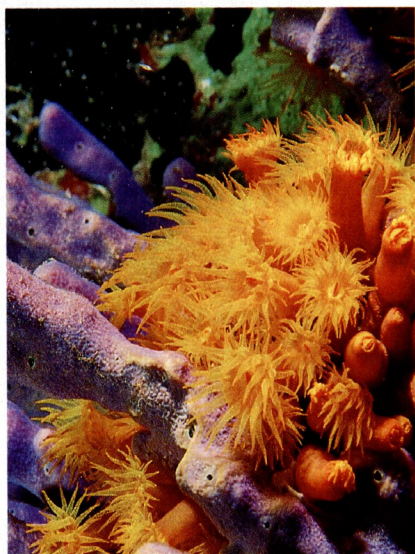


unique material in TUSA's regula-  
tor provides positive buoyancy  
that reduces jaw fatigue.

So if you've been looking  
for a dependable, high-  
performance regulator,  
you can breathe a little  
easier. The Imprex  
Regulator from TUSA is here.

## **TUSA**

*The future of diving today.*



18



30

Cover shot: Kathy Viola swims through a rainbow tunnel of coral and fish in Beqa (pronounced behn-ga) lagoon located south of Viti Levu in the Fiji Islands. Photo by Franklin Viola.

## LISTINGS

- 84 Advertiser Listing
- 88 Scuba Market
- 90 Dive Travel Directory
- 94 Dive Store Directory

Scuba Times (ISSN 0739-568X) is published bi-monthly for \$15.00 per year and \$26.00 for two years by GBP, Inc., 33 Music Square West, Suite 104, Nashville, TN 37203. Robert D. Garth, President/Treasurer; Fred D. Garth, Vice-President/Secretary. Second class postage paid at Nashville, TN and additional mailing offices. POSTMASTER: Send address changes to Scuba Times, P.O. Box 40702, Nashville, TN 37204-9905.

## DEPARTMENTS

- 10 Letters to *Scuba Times*
- 12 Divers' Datebook—Places to Go and People to See
- 14 Diversions—Notes & News From Around the Dive World.
- 16 New Waves—Innovative Products Just for Divers.
- 38 Last Watering Hole—Portuguese Fire & Water. By Doug Perrine.
- 40 Live-aboard Update—STM's 1994 Annual Live-aboard Chart.
- 46 Equipment—Computers: Boosting your Brain Power. By Franklin Viola.
- 102 The Last Word—Is Sport Diving a Sport? By Doug Perrine.

## FEATURES

- 18 Learning Your ABCs—Aruba, Bonaire & Curaçao  
Jean Pierce and Tom Morrissey describe the distinct and different personalities of these sister islands.
- 24 Belize—The Best Kept Secrets  
Doug Perrine and Fred Garth discover another side of Belize overlooked by most traveling divers.
- 30 Conquering British Columbia—A *Scuba Times* Expedition  
Franklin Viola leads a *Scuba Times* Expedition to British Columbia to prove that diving in the Pacific Northwest is among the best in North America.
- 36 Mauritius—Eden of the Pacific  
Dale Sanders finds that besides being a favorite destination for Europeans, Mauritius offers premiere vacations for divers too.

## ADVANCED DIVING JOURNAL

- 69 ADJ Table of contents
- 70 Advanced Equipment—Chill Out With Ice Diving. By Tom Morrissey.
- 72 Schools of Thought—Will We Ever Table Tables? By Karl Shreeves.
- 74 Wreck Diving—Life and Death on Lake Superior. By Karl Shreeves.
- 76 Free Flowing—Why? Because It's the Rules. By Bret Gilliam.
- 80 Advanced Training—Kayak Diving. By Jean Henry.
- 82 Diversions—Introducing Club Scuba Times.

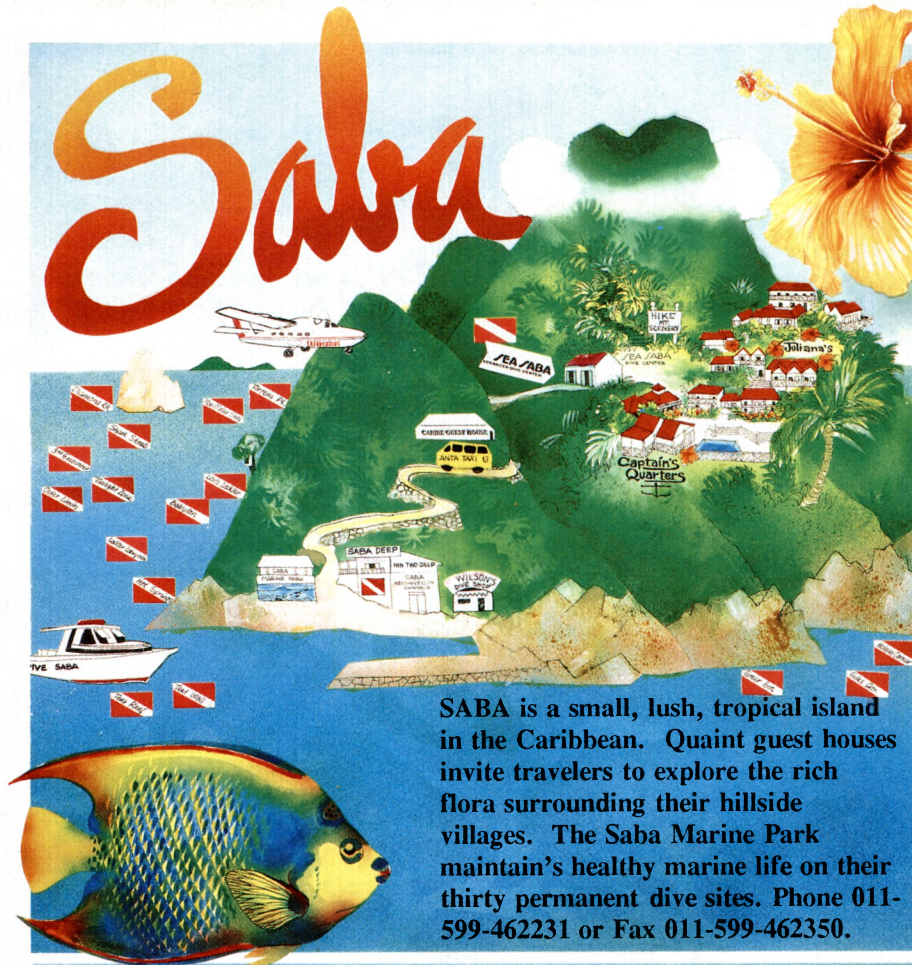
## FATHOMS FRAMED

- 51 In the Wild—Where Divers go to Swim with Sharks. By Marty Snyderman.
- 52 Techno Photo—Ethics & Legalities of Photo Manipulation. By Scott Frier.
- 60 Creature Feature—The Bluethroat Pikeblennie. By Georgienne Bradley.
- 62 Portfolio—Up Close and Personal. By David Fleetham
- 64 Short Takes—Tips for Photographers.



**Covermania, Scuba Style**  
**STM's 15 years of magazine covers—from a black and white newsletter to big color. Which cover is your favorite? And, can you find the missing covers?**

# Saba



SABA is a small, lush, tropical island in the Caribbean. Quaint guest houses invite travelers to explore the rich flora surrounding their hillside villages. The Saba Marine Park maintain's healthy marine life on their thirty permanent dive sites. Phone 011-599-462231 or Fax 011-599-462350.

## Captain's Quarters

CAPTAIN'S QUARTERS has ten spacious rooms, alfresco dining, outdoor bar, pool and patios for relaxing views of the sea. New owners, new services, old world charm. Phone 011-599-462201 or Fax 011-599-462377.



WINAIR is your air connection to St. Maarten and the neighboring Caribbean. Five flights each day make travel to Saba comfortable and easy. Call your travel agent or phone 011-599-554237 for reservations.

## Juliana's

JULIANA'S has ten rooms and one quaint cottage surrounded by a colorful tropical flower garden. Quiet and comfortable. Cafe and pool with views of the sea. Phone 1-800-328-5285 or Fax 011-599-462389.



SABA DEEP: Explore the Caribbean's most spectacular diving with our experienced and enthusiastic dive team. Enjoy our Restaurant, Bar and Boutique open daily. Phone 011-599-463347 or Fax 011-599-463397



SEA SABA has two 40' covered cabin boats for uncrowded, comfortable, safe rides. Expert instructors. Select from a variety of complete dive packages. Phone 011-599-46-2246 or Fax 011-599-46-2362.

## WILSON'S DIVE SHOP

Diving Saba for 20 years! Waterfront location - Mountainside villas - small groups - personalized service - NAUI, PADI, ANDI. 011-599-4-62541.



U.S.A. & Canada: **800-328-2288**  
Tel: 407-774-9000 • Fax: 407-682-6000  
Experts in Scuba Dive Travel

**Publishers**  
GBP, Inc.

**Managing Editor**  
Fred D. Garth

**Editor**  
Gwen Roland

**Creative Director**  
E. Blair Fischrupp

**Art Director**  
Trisha Russell

**Art Assistant**  
Renée Comette

**Marketing Manager**  
Regina Franklin

**Advertising Manager**  
David Benz

**Advertising Representative**  
Lance Fahrney

**Office Manager**  
Toni White

**Accounting Manager**  
Dianna Dudley

**Circulation Director**  
Charlene Moseley

**Circulation Assistant**  
Sonya S. Critser

### Contributing Editors

Scott Frier	Jean Pierce
Bret Gilliam	Karl Shreeves
Tom Morrissey	Marty Snyderman
Tom Mount	Franklin Viola
Doug Perrine	Norbert Wu

### Advertising

(800) 234-0060; (904) 492-7805

### Subscription Inquiries

(800) 950-7282



PRINTED IN THE USA

**SUBSCRIPTION RATES:** Continental U.S. one year \$15.00, two years \$26.00. Canada, Guam, Mexico, Puerto Rico, U.S. Virgin Islands, one year \$20.00, two years \$36.00. Other international air mail, one year \$36.00, two years \$68.00. Sample copies \$3.50. Send to *Scuba Times*, P.O. Box 40702, Nashville, TN 37204-9905.

Editorial contributions should be mailed to *Scuba Times*, Editorial Dept., 14110 Perdido Key Drive, Suite 16, Pensacola, FL 32507. They must be accompanied by a self-addressed, stamped return mailer. *Scuba Times* reserves the right to edit all materials as needed. Compensation is paid at the current rates and covers the author's and/or photographer's right, interest in and title to the material. This also includes reprint rights and resale of material unless other arrangements are made in writing in advance. We assume no responsibility for unsolicited materials. Submissions shall automatically constitute an expressed warranty by the contributor that the material is original and is in no way an infringement on the rights of others.

The opinions stated in the articles of *Scuba Times* are those of the writers and do not necessarily reflect the opinions of the management of *Scuba Times*.



## EDITOR'S LINE



November 3, 1993 - Rocas Gordon,  
Galapagos, Ecuador, aboard the  
Galapagos Aggressor:

I'm in 70 feet of 65°F water and wedged between two barnacle encrusted rocks, staring up at the dreamy silhouettes of 20 hammerhead sharks as they pass over my head. The current is ripping from behind me (the sharks always swim upstream), threatening to suck me out of my rocky alcove. I tighten my grip on a couple of huge, gnarly

barnacles (good gloves!) and wait. At just the right moment I fire off two photos and exhale, knowing full well my bubbles will scare the skittish sharks away. Sure enough, they see the bubbles, see me and quickly vanish through the blue curtain. Was it a dream? Certainly. It was a dream fulfilled, to swim with hammerheads.

This and many other experiences have taught me that diving is really built on dreams. We dream of escaping to tropical getaways, swimming with dolphins, taking the perfect photo of an orange-ball anemone, getting a new dive computer, finding treasure on a wreck, exploring the depths of a cave and the list goes on. Even diving itself is dreamlike. It's that feeling of floating weightlessly in semi-silence, encountering creatures that rival the creativity of our subconscious.

One of my dreams has always been to dive the Galapagos Islands so I could play Charles Darwin and Jacques Cousteau all in the same week. I did so aboard the new *Galapagos Aggressor*, an immaculate, new 80-foot live-aboard dive yacht. The ninth vessel in the Aggressor Fleet, this ship oozes style from its polished wood interiors to its gracious Ecuadorian crew. The boat was built in Ecuador and thus handles the rough Galapagos waters well. Its cushy comforts lessen the impact of the chilly waters, strong currents and so-so visibility (50-foot average) of the Galapagos.

In terms of dreams, this magazine is a dream machine as well. It's your ticket to daydreaming—a catalyst to get those dive-dream juices cooking. And in this issue there are many ways to lose yourself. Perhaps you'd like to dive with sharks too. No problemo. Shark expert Marty Snyderman tells us the best places in the world to experience this. How about ice diving? Believe it or not, some people not only do it, but they actually look forward to it. Tom Morrissey tells us why.

We have the customary hot spots, Aruba, Bonaire, Curaçao, Belize and Mauritius, as well as a cold expedition to British Columbia. But, perhaps, the biggest dream weaver is an editorial piece which our art department dubbed "the chart from hell" upon its debut four years ago. It's a listing of every live-aboard dive boat in the world and it has gotten a bit more hellish for them each year. But for you, dear reader, it's a Godsend. That is, if your desire is to take a live-aboard trip. There are over 100 ships covering almost every corner imaginable. It's simple, you find the place, the features and the price that's right for you and take your pick.

For those of you who received our last issue, I'm certain you noticed that it was our 15th Anniversary Issue. That being the case, 1994 is our 15th Anniversary Year. Makes sense to me. So, we're celebrating all year. One way is by creating a very special organization, called Club Scuba Times (see page 82). Club members are entitled to a host of benefits. If you're into diving, you should be in the club.

I'd also like to take this opportunity to welcome our new editor, Gary Nichols. Gary is a former Navy diver and a five-year veteran of Diver's Alert Network (DAN), where he was editor of their magazine, *Alert Diver*, as well as many of the reports and documents DAN published. He brings a new dimension and a lot of experience to our team and we welcome him aboard.

Finally, as we begin a new year, please remember to dive safely and keep those dreams alive.

That's it from here. Enjoy. ■

*Fred D. Garth*

Fred D. Garth

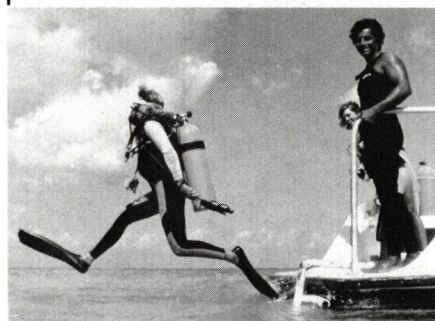


# DIVE

BELIZE • BONAIRE

## COZUMEL

800-327-2254



**Representing Hotels & Villas  
Budget to Deluxe!**

**Groups Are Our Specialty!**

**Inclusive  
Dive Packages**

• 4 Days • 3 Nights

\$ **167\***  
From



**Air-Inclusive  
Dive Packages**

• 4 Days • 3 Nights

\$ **399\***  
From

\* Rates valid to April 15, 1994 - excluding holidays. Prices are per person, double occupancy, Cozumel. RT airfare from Houston to Cozumel. Packages available from all US cities. All prices, inclusions & tour elements subject to change without notice.



**BARBACHANO**  
Tours Since 1921



## CONTRIBUTORS



### B . E . L . I . Z . E

Sunny blue skies, tropical trade-winds, palm thatched cabanas, the second largest barrier reef in the world and a fully staffed and equipped dive center are all just part of what makes Ramon's Village one of the most unique vacation spots in the world.



*Ramon's Village*  
Ambergris Caye, Belize

See your travel agent or call  
800-Magic-15 or (601) 649-1990

### Professional Underwater Video Systems

Dealer inquiries welcome



#### Featuring:

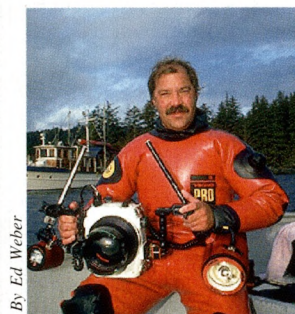
- Dual Handles
  - Intragraded SeaProx™ Electromagnetic Controls
  - Controls include Autofocus Disable & White Balance
  - All GLASS interchangeable optics
  - Housing comes complete w/Wide Angle lens
  - Rugged poly-urethane construction
  - Full-view plexiglass back & Quad seals
  - Weights only 5.5 lbs.
  - Standard & Long versions available for 4 amp-hr battery and/or 2.9" color monitors
- Systems available for Sony TR Series, also VX3 and Sony clones

**QUEST** MARINE VIDEO

3176 Pullman St., Suite 104  
Costa Mesa, CA 92626

Ph. 714/966-9391 • Fax 714/966-2395

Call for your nearest dealer location



By Ed Weber

**Franklin Viola**

Undaunted by the brisk winds and frigid water of autumn in British Columbia, *STM* equipment editor **Franklin Viola** returned from a trip to Malaysia just long enough to trade his skins for a dry suit and lead a *Scuba Times* Expedition aboard the *Clavella* in Queen Charlotte Strait. He likened the rapid transition to the old Norwegian custom of sitting in a sauna and then plunging into an icy lake. The custom probably suits Norwegians, but for a man who once considered Atlanta (his current hometown) to be "up north" it was a shocking experience. Frequent *STM* contributor **Ed Weber**, who lives in the neighborhood of the *Clavella*, couldn't pass up a chance to see how **Franklin** was handling the cold so he dropped in for a few dives with the group and took a photo that shows Franklin looking like he was born for dry suit diving. See **Franklin's** story ("Conquering British Columbia," page 30) for the details on what makes B.C. diving worth the effort even for natives of the Deep South.

**Doug Perrine** worked with Howard Hall recently on the one-hour National Geographic special about Belize, *Jewels of the Caribbean Sea*, to air April 13 on TBS. Doug, a frequent visitor to Belize, dried off long enough to check out some of the topside sites of this divers' paradise ("The Best Kept Secrets of Belize," page 24). From what he says anyone who goes to Belize and limits their experience to just the underwater scenery is selling the destination short.

It seems like everyone is clamoring to get an assignment to Mauritius these days. After reading **Dale Sanders'** story ("Eden of the Indian Ocean," page 36) it is easy to understand why. Iridescent volcanic ash, hindu temples and dive sites with names like the Shark Pit are just a few of the attractions that made **Dale** take time off from writing his guide to Florida shipwrecks to check it out.



By Bob Grytten

**Dale Sanders**

It's appropriate that *STM Advanced Diving Journal* editor **Bret Gilliam**, who holds the record for deepest scuba dive on air, has been elected to the same prestigious Explorers Club as Sir Edmund Hillary, who was the first to conquer the highest point on earth—Mount Everest. **Bret** was inducted with additional honors as a Fellow National in recognition of his published works, many of which have appeared in *Scuba Times Magazine*. Other members in this Who's Who of world-class adventurers include President Teddy Roosevelt and astronauts John Glenn and Scott Carpenter. Diving luminaries who welcome **Bret** into their membership are Bob Ballard, Eugenie Clark, Sylvia Earle

and frequent *STM* contributor **Hillary Vidars. Bret**, known for challenging the status quo, keeps punching in this issue when he confronts the Ten Commandments of Diving on page 74.

It was all done with mirrors when **Georgienne Bradley** and **Jay Ireland** took time out from working on their four books about Costa Rica to trick a shy blennie into being photographed. Read their version of the encounter in "Creature Feature" on page 60. The blennie did not submit *his* side of the story to *STM*. He's probably headed for *The National Enquirer*.

For readers who have mastered the perennial problem of too much gear and never enough space, there's a new challenge: kayak diving. For our introduction to this seemingly impossible combination sport, we went to the woman who wrote the book, literally, on the subject. **Jean Henry** developed the first curriculum for kayak diving, including specialty through instructor training. See her article in our *Advanced Diving Journal* on page 80 with an examination of the whys and hows of this "Wave of the Future." ■



**Bret Gilliam**

RED SAIL SPORTS

PRESENTS

# Adventures With "Red"

LOOK WHO'S  
COMING TO DIVE  
THIS YEAR!



**E**veryone's favorite dive buddy, "Red," is suited up and ready to make a splash in the Caribbean and Hawaii this year. Prepare to join "Red" on his scuba adventures featuring a friendly dive staff and world class service that only Red Sail Sports can deliver.

Your 1994 adventure with "Red" begins with a call to the scuba hotline where you can gear up with the latest information on sites, conditions and vacation packages for Red Sail Sports seven locations in Aruba, Grand Cayman and Hawaii.

Red Sail Sports dive packages range from Scuba School to unlimited diving, with options for a variety of accommodations at the world's best hotels. 3 day dive packages start at \$173.00 with accommodations for as low as \$280.00.

Join "Red" on a great dive adventure, call

**800-255-6425.**

Hotel rate example is for the Seaview Hotel in Grand Cayman, per person based on double occupancy, 5/1 through 10/15/94

"Red's" airline of choice to the Caribbean is American Airlines.

**red sail sports®**

ARUBA

THE BAHAMAS

GRAND CAYMAN

HAWAII



## LETTERS

### Gender Bender

I enjoy your magazine as do other women divers I know. However, I was quite upset to see your Christmas ad. It makes an unreasonable and unprofitable assumption with "Scuba Times a gift he'll open again and again." What about the women divers? Don't you want our business? We read, we dive and we have money. I hope you will address this matter.

Martha Stone  
Richmond Hill, NY

*Not only do women read and dive, they also edit and design magazines, and sometimes they even make mistakes. Believe it or not the editor who approved that copy and the art director who approved the design are both women. In fact our STM staff is made up of over 60 percent women.*

*You weren't the only one to catch our goof. Most embarrassing of all, some of the other gender-sensitive readers who wrote to correct our error were men!*

### Low On Oxygen

The article by Dr. Vidars in "Emergency Oxygen" in the October issue was very informative and I know a great help to understanding the technical considerations needed for oxygen administration.

As a Respiratory Therapist with 15 years experience in Emergency Care, I have to disagree with Dr. Vidars when it comes to supplementing DAN's Oxygen Kit. She recommends a second demand valve with a positive pressure button.

The American Heart Association guidelines recommend the use of mouth-mask ventilation until an adequate airway can be established. If personnel wish to have an adjunct to mouth-mask ventilation for the potential use by trained personnel I recommend a manual resuscitator to reduce the risk of complications.

Eric E. Parkhill, BSc., RRT  
Clinical Specialist  
Respiratory Associates, Gainesville, GA

### Vidars Responds

*My article recommends the most feasible equipment for recreational scuba divers who have to administer emergency oxygen in the field. The equipment at the scene of diving accident are vastly different from that in hospital setting. Therefore, recommending that a non-breathing dive accident victim be given*

*mouth-to-mask ventilation over demand valve positive pressure resuscitation is impractical. A dive accident victim needs 100% oxygen. Mouth-to-mask ventilation can only deliver 16%. For a victim of arterial gas embolism, the difference between receiving 100% oxygen and 16% oxygen can literally mean the difference between life and death.*

### What about Panama, Jack?

The good news is that I recently obtained my PADI openwater C-Card in Panama while stationed there as a U.S. military officer. The bad news is that I waited until the end of my three year tour there to obtain it. If I only knew how wonderful diving is, I would have become certified years ago! I have seen many articles in your magazine about Aruba, the Bahamas and even Borneo and how wonderful diving in those locations is. What about Panama? With Caribbean to the north and Pacific to the south, Panama is a diving haven. Oh well, I guess until diving becomes more commercialized in Panama, it will remain a "secret" for U.S. military members assigned there who are recreational divers (there are many).

Greg McCaffrey  
Sterling, Virginia

*If you'll kindly check our January/February 1990 issue, you'll find an article about Panama on page 74. It's been three years, perhaps we're due for another.*

### Missing At Sea

I want the editors of *Scuba Times* to know that I enjoy your magazine and find it filled with interesting and entertaining articles. But I have to admit my friends and I got a real laugh out of a picture you displayed on page 66, in the article "Safety at Sea," in your October 1993 issue. The picture shows a female scuba diver loaded down with the latest safety gadgets for scuba. There is just one problem, she has everything, expect her regulator! Someone obviously did not check her air supply!

The picture did bring to my attention a constructive thought. It reminded me that sometimes scuba divers are so wrapped up in remembering ever little detail before a dive that we usually do forget the obvious. That's what buddies are for!

Alice DeSouza  
PADI/SSI Century Diver  
Anvendale, VA

*The studio photo was meant to show the ridiculous amount of extraneous gear we divers can and do buy. No offense, but we just assumed that certified divers know they're supposed to wear a regulator when they dive.*

### Desperately Seeking Shadows

In the December issue of *Scuba Times* an article written by Doug Perrine entitled, "Mystery of the Mantas" mentions a film created by Howard Hall called *Shadows of the Desert Sea*.

I recently saw this film on television and was impressed unlike any documentary has ever done so! How can I obtain a copy of this film, is it available to the public? Any information would be greatly appreciated! Thank you.

James Gallucci  
2944 Alpine Way  
Laguna Beach, CA

*Bad news, Jim. The film is not available on home video. However, to obtain a catalog of videos from the production company write to: The Nature Series, Thirteen/WNET, 356 W 58th St, NY, NY 10019.*

### Harbour Master

Regarding your call for information from people who have dived around Harbour Island, Bahamas pre- and post-hurricane Andrew, I have made over 100 dives there, including about 25 after the storm.

The reefs are in magnificent shape. Diving deep sites like The Cave, Pinnacle, Plateau and The Arch, you would never know the storm passed over the Island. On my dive to the thirty-five foot Sea Gardens, for instance, I saw dozens of tall, healthy elkhorn corals.

As a long-time subscriber, who relies on *Scuba Times* for its objective reporting, I'm glad to help set the record straight for other readers.

You should also know that, topside, Harbour Island, one of the prettiest in the Bahamas, has been totally restored.

Roanne Kulakoff  
244 Madison Avenue  
New York, NY

*Address letters to Scuba Times Magazine, 14110 Perdido Key Drive, Suite 16, Pensacola, FL 32507. Not all letters can be published; those published may be edited for space and clarity.*

# ภาคใต้

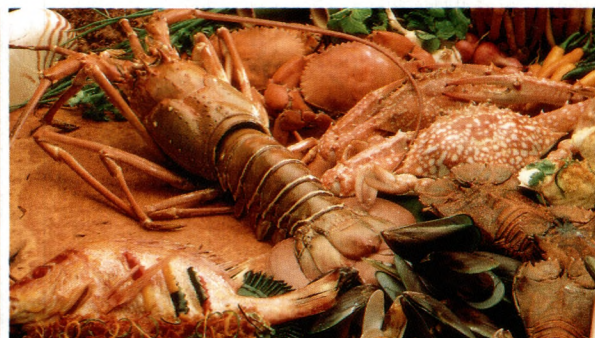
## S O U T H E R N T H A I L A N D



The popular sun-kissed beaches of **Phuket...** the quiet islands of **Phi Phi** and the **Similans**.



Seas of living colour... and the tranquil bays of **Krabi**.



The breathtaking seascapes of **Phang Nga Bay...** the mouth watering delights of **fresh seafood**.

DISCOVER *the* TREASURES *of a* KINGDOM



For a FREE Thailand brochure

USA / STS / ST 1193

Name: \_\_\_\_\_ Address: \_\_\_\_\_

Mail to: Tourism Authority of Thailand, 303 East Wacker Drive, Suite 400, Chicago, IL. 60601,  
or 5 World Trade Center, Suite No. 3443, New York, N.Y. 10048 or 3440 Wilshire Blvd., Suite 1100, Los Angeles, CA 90010, U.S.A.



# DIVER'S DATEBOOK

## MARCH

**Oakland.** Seaviews '94 will be held March 12-13 at the Oakland Convention Center in Oakland, California. The event will include water-related exhibits, fashion shows, an underwater photo and artist's display, seminars, and the Saturday night Underwater Film Festival.

**Monterey.** The 10th annual California Chocolate Abalone Dive is being held on March 26 in Monterey. Aquarius Dive Stores will sponsor the event with a portion of the proceeds benefiting the Pacific Grove Hyperbaric Chamber/Marine Rescue Unit, and Diver's Alert Network. For more information call (408) 375-1933.

## APRIL

**San Diego.** A multi-interest, scientific expedition will depart from San Diego on April 7 to Clipperton Island, one of the most remote dive destinations in the world. Nine marine biologists will be

studying shells, fishes and the corals of this remote coral atoll. For details on joining, call (619) 579-8405.

**San Diego.** The *Discover Diving* Equipment and Travel Expo will be held April 8-10 at the Town & Country Convention Center. The event will be held in conjunction with the 1994 International Conference on Underwater Education (IQ94). To purchase advance tickets, call *Watersport Publishing, Inc.* at (800) 776-3483, (619) 697-0703.

**Boston.** The 1994 Boston Scuba Symposium hosted by PDIC and The Underwater Club of Boston is scheduled for 10 AM, April 23, 1994, at the Colonial Hilton, Wakefield, Massachusetts. Presentations will include Diving Lake Champlain, Diving Maine's North Coast, Preparing Recreational Equipment for Basic Wreck Diving and North Atlantic In-Water Photography with Dave and Sue Millhouser. For details call (508) 897-0877.

## MAY

**Bahamas.** Cruise Exuma Sound, Bahama on the Nekton Pilot May 1-8 with John Lopinto, chief photographer at the Palm Beach Post. Mr. Lopinto has published work in numerous publications including *National Graphic*, *National and International Wildlife*, and *Underwater USA*. For details contact Lynn Oetzman or Sherri L. Shipley at (305) 463-9324/ (800) 899-6753.

**Galapagos.** Professional underwater photographer Doug Perrine and biologist Godfrey Merlen, author of *Fishes of Galapagos*, will lead a special expedition on the 60-foot dive vessel, *Sulidae*, to the far northern islands of the Galapagos group May 21-31. For details contact Innerspace Visions at (305) 669-0118.

Send news five months prior to the event to Scuba Times Magazine, 14110 Perdido Key Drive, Pensacola, FL 32507.



# DIVE THE

# U.S. VIRGIN ISLANDS

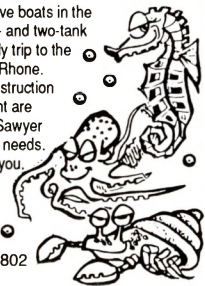
ST. CROIX · ST. JOHN · ST. THOMAS

### CHRIS SAWYER DIVE CENTER

Let us introduce you to our Virgin Islands friends. The Chris Sawyer Dive Center offers the finest diving services in the beautiful U.S. Virgin Islands. Specializing in small groups of divers assures outstanding service to the individual diver. With one of the finest dive boats in the Caribbean, we offer daily one- and two-tank dives, night dives and a weekly trip to the fabulous wreck of the R.M.S. Rhone. Of course, PADI openwater instruction and the finest rental equipment are available. Come to the Chris Sawyer Dive Center for all your diving needs. We would really love to meet you.

**800-882-2965**

Compass Point Marina  
6300 Frydenhoj, USVI 00802  
(809) 775-7320



### CHECK US OUT!

Guided Certified Reef Tour - \$25<sup>00</sup>  
Resort Course & Reef Tour - \$35<sup>00</sup>

NO EXPERIENCE OR  
RESERVATIONS NEEDED

**(809) 775-4220**

(Next to Coral World at Coki Beach)



WATERSPORTS  
PADI 5 STAR  
IDC TRAINING FACILITY

### Specializing in Personalized Attention

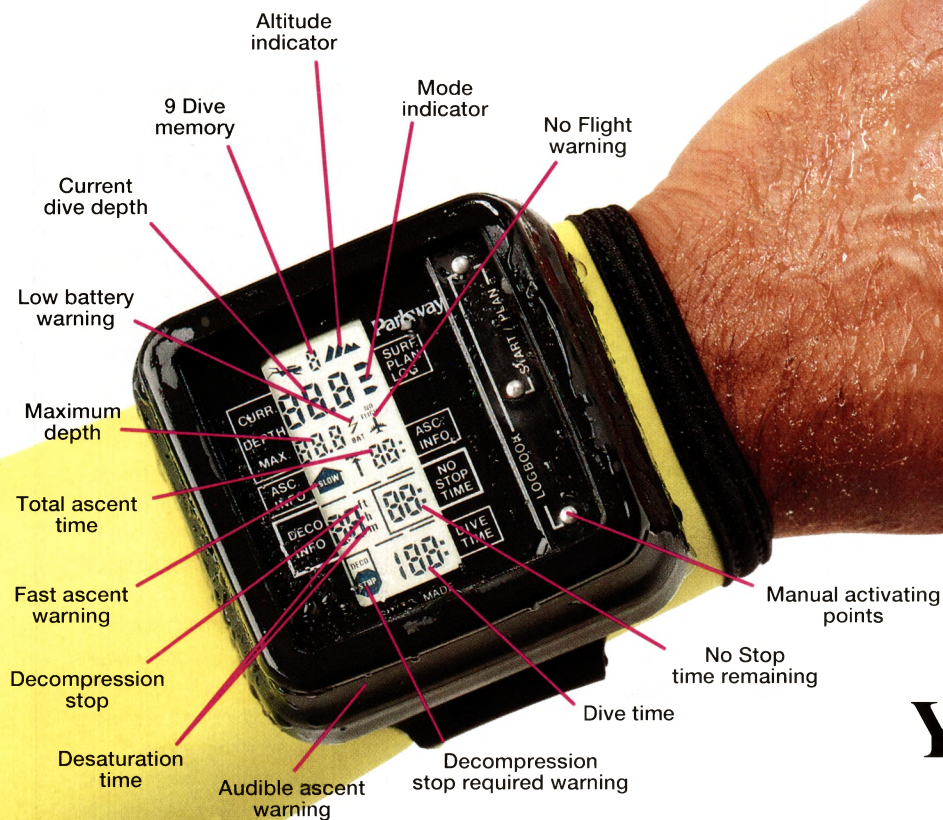
Daily Scuba Tours • Certifications & Student Referrals  
9 am Certified Dives • 1 pm Beginner Dives  
- Wreck • Reef • Night -

Hotel Pick-Ups

Hotel & Private Home • Packages Available

Open 7 Days / 8 am - 6 pm

WHARFSIDE VILLAGE • ST JOHN • US VIRGIN ISLANDS  
1-800-835-7718 809-693-8999



# You can't beat the system.

The **LEGEND** multi-level dive computer keeps you constantly aware of the changing effects of time and pressure. Automatically activated when submerged, or manually topside, The **LEGEND** is rated to a depth of 330 ft. and puts the important information you need for a safe, successful dive at your fingertips. Features include: current and maximum dive depth; dive time; no-decompression-needed time remaining; visual and audible ascent warnings and decompression-required alert; missed-decompression warning; depth and duration of deepest decompression stop; desaturation time; total ascent time; surface, dive planning and log modes; a 9-dive memory, and more.

The **LEGEND** is programmed to indicate altitude changes and adjust accordingly. In addition, after a dive it automatically switches to surface mode and displays maximum depth attained, total time underwater, new no-decompression limits, surface interval desaturation time, and time to wait before flying.

The **LEGEND** dive computer is part of The Parkway System, a full line of gauges, suits, BCs, tanks, regulators and accessories, all engineered to work together. See your dealer for details or send for our 24-page, full-color catalog.



The **LEGEND** dive computer is available with hose mount, wrist mount or as part of a 4-in-1 console which includes computer, side-reading compass, pressure gauge and thermometer. You can align the computer in the hose mount either vertically or horizontally for easy viewing.



# DIVERSIONS



## ALPHA ONE GETS QUARTER MILLION

Alpha One, a center based in Maine for developing independent living opportunities for people with disabilities, has been awarded a federal grant for an innovative, nationwide scuba diving program. Open Waters is designed to expand scuba diving to people with disabilities. The three-year project will include a toll-free hotline to reach people with disabilities, a series of seminars to recruit and train diving instructors and a national conference to spotlight state of the art diving techniques and equipment for people with disabilities.

For more information contact Alpha One president, Steven Tremblay at 800-640-7200 (voice or TT). ■

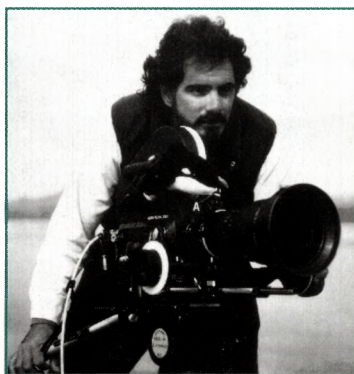
## AGGRESSOR BOASTS DECADE OF DIVING

The Aggressor Fleet, owners of the largest fleet of live-aboard dive boats in the world, is celebrating 10 years of diving in 1994. According to Aggressor, the concept was to provide a higher level of service and amenities to divers and underwater photographers than was available through any other live-aboard operation at the time.

The concept proved successful. Beginning with the Cayman Aggressor in 1984, the company now runs nine vessels in top dive destinations worldwide including: the Bay Islands, Belize, Cayman, Coco Island, Galapagos, Kona (Hawaii), Palau, Truk Lagoon and the Turks and Caicos.

"We have developed tremendous repeat business through innovative ideas in vessel design and amenities," said Capt. Wayne Hasson, Managing Director for Aggressor Fleet. "Our goal continues to be to set standards in live-aboard luxury and diving experiences."

Hasson hinted that a new state-of-the-art Aggressor "dive yacht" being built "will surpass anything now available." For more information contact Aggressor Fleet at 800-348-2628. ■



which are available in bookstores nationwide.

The video was shot over a six year period in the Bahamas, British Columbia and Hawaii. Sequences of spotted dolphins, pilot whales and orcas are set to the ethereal music of Mannheim Steamroller and Ray Lynch. For more information call 310-394-5854. ■

## RED TAPE WRAPS HAWAIIAN REEFS

A petition drive supporting permitting and funding of a statewide mooring buoy system for Hawaii has been launched by Project ReefKeeper, an international coral reef conservation organization.

"While anchors continue to maul Hawaii's fragile reefs, the state's Division of Boating and Ocean recreation is not expected to meet a December 1993 deadline for approving permits for a statewide system of mooring buoys," explained ReefKeeper Director Alexander Stone.

So what's the problem? According to Stone there are many. His group claims that the state is adamantly opposed to allowing any privately initiated placement of mooring buoys by dive shops.

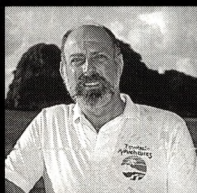
"Even if the money were already there, the buoys could still not be deployed because the state seems to have more pressing things to do than review the permit applications that have been gathering dust since June of 1993," complained Stone.

Project ReefKeeper has launched a petition drive to pressure the Division of Boating to get off its transom and process the permits. For more information contact Project ReefKeeper, Pacific Region, 350 Ward Avenue, Suite 106-542, Honolulu, HI 96814 or call 808-533-7752. ■

## FROM STILLS TO THRILLS

Photographer Bob Talbot, whose work has appeared everywhere from *Omni* to *American Photographer*, has recently released a video called, *Talbot—The Video: Dolphins and Orcas*.

Many are familiar with Talbot's spectacular posters of dolphins and whales



Bob Goddess'

# WORLD OF DIVE TRAVEL

CELEBRATING  
OUR 20th YEAR

## RED SEA

- Licensed to dive all the Red Sea.
- A spacious 82 feet of comfort.
- Eight private double cabins with bathrooms ensuite.



*GRAND BLEU*

*Weekly Departures from  
Sharm el Sheikh*

## AUSTRALIA



*PACIFIC STAR*

- Spacious catamaran.
- **Personalized service.**
- Six private cabins.
- Ensuite bathrooms.
- Great Barrier Reef.
- Coral Sea.



## COZUMEL



- Private beach.
- A superb 5-star resort.
- Walking distance to town.
- 3-tank boat diving.



**FIESTA INN**

*Enjoy the luxury  
of paying less!*

Un-common  
Un-usual



## FIJI ISLANDS

Un-commercial  
Un-surpassed  
Un-crowded  
Un-spoiled



*FIJI ISLANDS*

*The Idyllic South Pacific  
Diving Destination*



## BELIZE

**An incredible  
Frontier Paradise!**



*MANTA RESORT*

**SAND – SEA – SERENITY – SCUBA**

*... a private 12 acre island on remote  
Glover's Reef Atoll*

*Paradise & Virtually Untouched*

MANTA  
RESORT

## ROATAN

**A perfect & private  
Tropical island escape**



*FANTASY ISLAND RESORT*

*The Bay Islands  
very Best and  
only true 5-star  
divers resort.*



East Africa • Red Sea • Seychelles • Indonesia  
Borneo • Australia • Micronesia • Cayman • Belize  
Cozumel • Turks & Caicos • Fiji Islands • Solomons  
Papua New Guinea • Thailand • Sea of Cortez • Saba  
Galapagos • Cocos Island • Roatan • Guanaja • Bonaire



**TROPICAL  
ADVENTURES**  
TRAVEL

**800-247-3483**

WA(206)441-3483 • FAX(206)441-5431 • 111 Second North • Seattle WA 98109

# NEW WAVES

## PUT MORE BOUNCE IN YOUR FIN KICK



Force Fin, a California-based fin manufacturer, has joined forces with Uniroyal Chemical to create the only polyurethane fins made in the world today. What this means, according to Force Fin inventor Bob Evans is "superior resilience for increased snap and rebound which increases propulsion and energy efficiency."

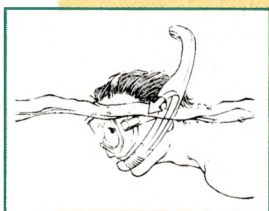
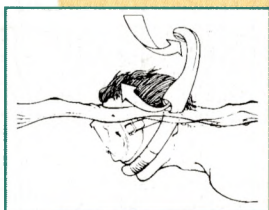
"Every pair of Force Fins now comes with a hang tag from Uniroyal Chemical that explains the benefits of our liquid-cast polyurethane fins," said Evans. For more info on Force Fins call 800-FIN-SWIM. *Circle A on the Reader Service Card.* ■

## SEA AND SEA GOES PRO



A special edition Sea and Sea 35mm underwater camera and strobe system is the first Sea and Sea product to be produced in a gray finish. The new Seamaster Pro system includes all of the features found in the popular Motormarine II which has been produced in yellow since it was introduced. The Seamaster Pro is rate to 150 feet and includes motorized film advance, power rewind, automatic ASA/ISO film speed setting, and a built in flash for topside photography. For more info call 516-752-0066. *Circle B on the Reader Service Card.* ■

## A BETTER SNORKEL, REALLY?



In diving it seems that building a better mouse trap is most difficult in the snorkel category. However, DiVaire, a Michigan company claims to have radically reshaped snorkeling of the 90s with their newly-patented DiVaire snorkel.

Early snorkels had no valves. Later models integrated a purge valve. Now, DiVaire has a three valves to help keep water out and get air in. A unique side mounted exhaust valve improves the fresh air content in the upper portion of the device, according to DiVaire. This reduces headaches caused by the intake of carbon dioxide. With it's location above the water line, it's also a second intake valve. The downward facing intake valve prevents water entry from the top as well as keeps water out when the snorkel is totally submerged. The lower purge valve aids in expelling whatever water is left after passing through the complex tube.

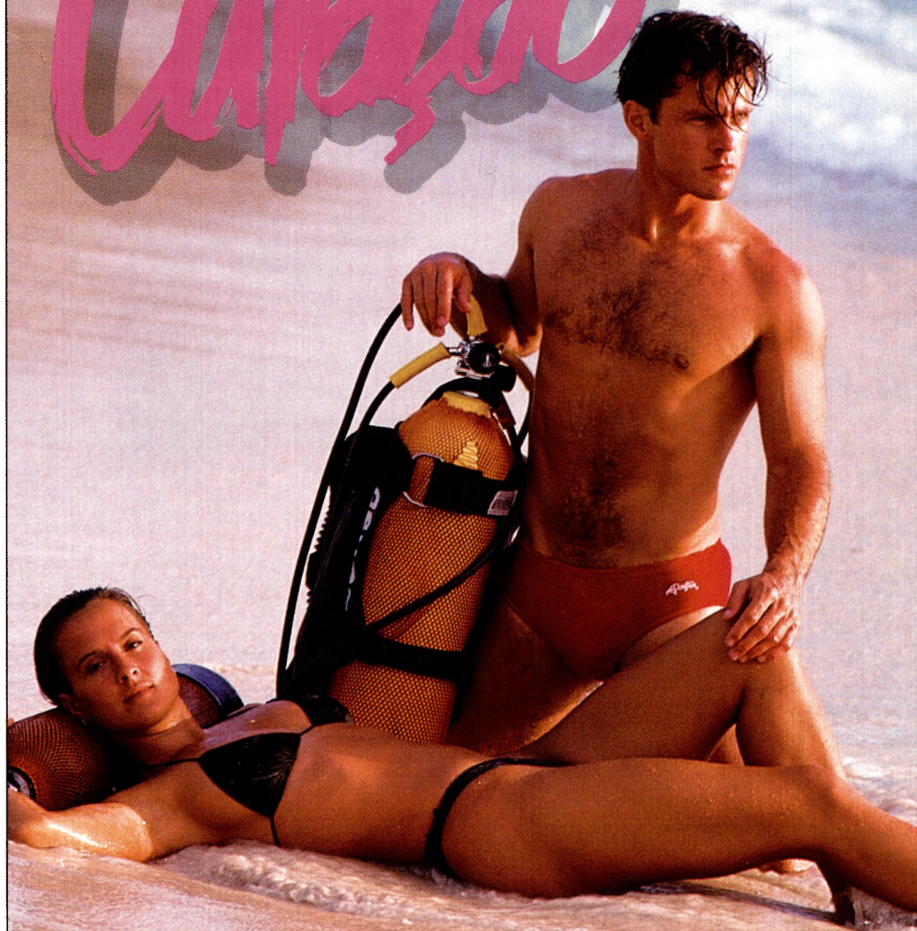
DiVaire also has a "fluid pump" located just above the side mounted valve to maximize air and water flow within the snorkel interior. With it's hydrodynamic design, this snorkel may have actually improved on diving's mouse trap. *Circle C on the Reader Service Card.* ■

## CERAMIC DRY SUIT GETS FIRED UP

With the world going high-tech in every category, dry suit manufacturer, Mobby's, has introduced a bio-ceramic material for dry suit diving. This is no clay pot, fired in an adobe kiln. The CAP (Ceramic Aluminum Polyvinyl chloride) inner shell material offers unparalleled heat retention, while eliminating odor and bacterial growth on the inside of the twin shell dry suit, according to Mobby's. Composed of seven inorganic and oxidized metals, bio-ceramics utilizes the properties of far-infrared radiation to increase heat retention. In layman's terms, the suit keeps you warmer than standard PVC (polyvinyl chloride) materials and other non-bioceramic materials, according to a Mobby's press release. To learn more about staying warmer with ceramics, call Mobby's at 800-773-8787. *Circle D on the Reader Service Card.* ■

## THE CARIBBEAN'S UNIQUE DIVE ISLAND!

# Curaçao



The incredibly crystal clear waters which abound Curaçao are attracting more and more divers every year. The cause of all the excitement is visibility up to 150 feet, water temperature averaging 74 degrees, and the best of diving, be it shallow reef, beach, wall or shipwreck. All this, plus Curaçao's famous highlights like the floating bridge, Downtown Willemstad, good shopping and many fine restaurants and fun casinos, make Curaçao a diver's delight. Write now to one of these hospitable hotels for your special dive package.



CHATA

### CURAÇAO HOTEL AND TOURISM ASSOCIATION

International Trade Center  
P.O. Box 6115  
Curaçao, Netherlands Antilles  
Tel: (599-9) 636260; Fax: (599-9) 636445

#### CORAL CLIFF

P.O. Box 3782, Curaçao, Netherlands Antilles. Tel. (599-9) 641610/641820, Fax (599-9) 641781. ITR: U.S./Canada (800) 223-9815.

#### CURACAO CARIBBEAN

J.F. Kennedy Blvd., Curaçao, Netherlands Antilles. Tel. (599-9) 625000, Telex 1146 COCURNA, Fax (599-9) 625846. In U.S. and Canada (800) 223-9815; (800) 333-1212.

#### LIONS DIVE HOTEL

Bapor Kibra, Tel. (599-9) 618100, Fax (599-9) 618200. Or ITR, Four Park Avenue, N.Y., NY 10016. Tel. (800) 233-9815, Telex 225559 ITRIS UR, Fax: (212) 545-8467.

#### HOTEL CLUB SERU CORAL

Koraal Partier #10, Curaçao, Netherlands Antilles, Tel: (599) 967-8499, Fax: (599) 967-8256.

#### PRINCESS BEACH

Tel. (599-9) 367888, For reservations: DCR, 2355 Salzedo Street, Ste. 302, Coral Gables, FL 33134. Toll Free (800) 327-3286, Tel. (305) 441-8951, Fax (305) 441-9266.

#### CORAL CLIFF RESORT & CASINO

CORAL CLIFF DIVING, a fully equipped PADI facility located on the private beach of this tranquil resort in the beautiful countryside of Curaçao. Packages begin at US \$507 (double occupancy) p/p for 7 nights including accommodations and 6 dives. Open-air restaurant & bar, tennis courts, watersports and Casino. Scuba Tours, Inc. 1-800-526-1394.

#### CURAÇAO CARIBBEAN HOTEL & CASINO

SEASCAPE, a fully equipped PADI 5-star facility is located on the private beach of this 200-room resort hotel. Packages begin at US \$747 - (double occupancy) p/p for 7 nights including accommodations and 6 dives. 3 restaurants and bars, tennis courts, watersports, swimming pool, shopping arcade, casino and more. Scuba Tours, Inc. 1-800-526-1394.

#### HOTEL CLUB SERU CORAL

A lovely, new resort complex of 89 apartment-villas with kitchenette, TV, A/C, phone, etc. Large fresh water swimming pool, children's pool, tennis courts, bar, restaurant, room service, launderette, mini-market, shuttle bus service. Our "Big Blue Diving," certified instructor and dive master conducts courses as well as boat dives and beach dives — equipment rentals too. Tel: (599) 967-8499, Fax: 967-8526.

#### LIONS DIVE HOTEL & MARINA

The only hotel dedicated to diving Curaçao with a PADI 5-star facility on the premises, courses, rentals and boat dives. Three restaurants and a world-class fitness center. Charming, tropical oceanfront location with free entrance to next door Seaquarium and the island's largest sand beach. Phone 011-599-961-1644; Fax 961-8200.

#### PRINCESS BEACH RESORT & CASINO

Located on the outskirts of town, next to the CURAÇAO SEAQUARIUM and right in front of CURAÇAO'S NATIONAL UNDERWATER PARK, Princess Beach Resort & Casino offers you 341 modernly decorated rooms amongst lush tropical gardens which carpet the area right up to our 1900-foot white sandy beach. Our PETER HUGHES 5-star dive operation offers off-shore a la carte diving as well as DIVE PACKAGES starting from \$489 - p/p. FOR FURTHER INFORMATION, PLEASE CALL TOLL FREE 1-800-DCR 3286..

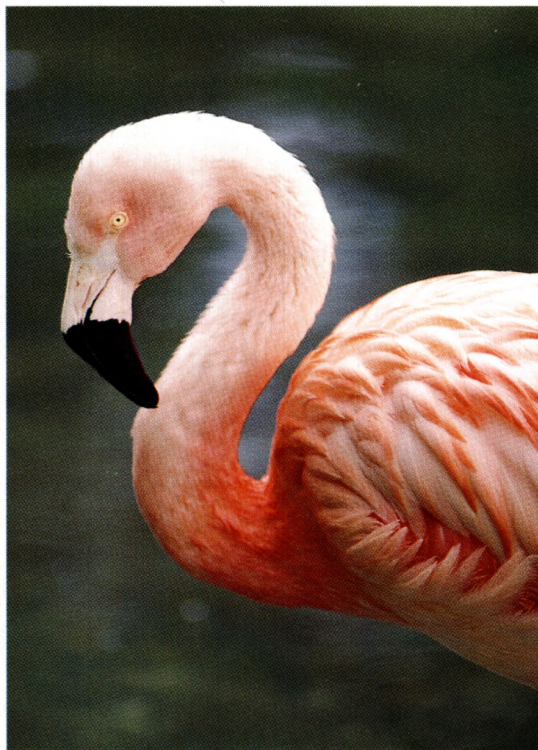


Photos by Len Kalman & Dietmar Reimer

For further information contact your travel agent or the Curaçao Tourist Board, 400 Madison Ave., N.Y. N.Y. 10017, Tel. (212) 751 8266 or (800) 332 8266.

## LEARNING YOUR

# ABC's



*Above: There's always a strong attraction to grandeur and mystique of Bonaire's pink flamingos. By F. Stuart Westmorland. Left: Bonaire's picturesque Washington Park by Graeme Teague. Above right: F. Stuart Westmorland captured this lizardfish at the airplane wrecks on Aruba. Below right: Bonaire's wreck of the Hilma Hooker attracts thousands of divers per year.*

# W

ay "down-island," as they like to say in the Caribbean, almost touching the continental mass of South America, lie the three islands known as the ABCs—Aruba, Bonaire and Curaçao. These exotic island oases of European ancestry and influence were all members of the Netherland Antilles until 1986, when Aruba became independent. Nevertheless, the islands of the ABCs are still sisters under the sea.

No more than 50 miles from Venezuela, all three are washed by the North Equatorial Current, which brings a constant source of warm, clear water and fish-sustaining nutrients to the ABCs' shores. Although the official language is Dutch, and most islanders speak English and Spanish fluently, the native language is a distinctive local blend called Papiamentu. Visitors are usually delighted when they first hear this musical patois, which combines elements from at least six European and African languages!

Despite their many similarities, Aruba, Bonaire and Curaçao each have distinct personalities. You can't truly say you've seen the ABCs until you've visited each in its turn.

**BY JEAN PIERCE & TOM MORRISEY**

## ARUBA

Like its Antillean sisters, Aruba is technically a desert island. Low rainfall and nearly constant breezes have given the island a nearly Southwestern landscape of scrub, cactus and bonsai-like divi-divi trees.

Aruba has, without a doubt, the very best beaches in the ABCs, and arguably some of the best beaches in the entire Caribbean. The sweeping expanses of white, talcum-powder-like sand have not escaped the attention of resort developers. Both Palm Beach and Eagle Beach have their share of large, ultra-modern resorts and casinos. While not quite as developed as it is in the key islands of the Bahamas or the Caymans, tourism is in full bloom on Aruba and, indeed, is the principal industry on the island.

For shore diving Baby Beach Reef, in 20-60 feet of water is easily reached by even new divers, and its impressive display of elkhorn coral and healthy lobster population are unusual for a dive reached off a sand beach.

Other shore dives on Aruba include Cabez Reef (Aruba's most easterly dive, in 50 feet of water) and Natural Bridge (which offers stunning rock formations both above and below the water). But these dives are, as are all dives on the current-swept eastern and northern shores, best reserved for advanced divers.

The most popular offshore site is undoubtedly Aruba's "ghost ship," the *Antilla* Wreck, which lies in 60 feet of water just south of westerly California Point. This German freighter, virtually fresh out of the boatyards at the time, was scuttled by her master in the early days of World War II.

The largest wreck in the entire Caribbean, the 400-foot *Antilla* is often dived twice by visiting divers—first as a conventional, daylight wreck dive, and later as an eerie, yet beautiful, night dive.

Farther south, the *Pedernalis* Wreck, sunk in 50 feet of water, is another WWII relic, this one an oil tanker torpedoed by a U-Boat. Don't look for the bow or stern, though. In an act of poetic justice, they were cut off, raised, welded together and used in the Normandy invasion on D-Day. But the section that remains is an ideal wreck dive for beginners, with cabins and even a couple of torpedoes still lying intact on the bottom. Another popular "tin dive" is the Tugboat Wreck, near Oranjestad, where mantas and eagle rays are sometimes seen in only 40-90 feet of water.

For pure reef beauty, coral- and sponge-rich Lago Reef (120 feet), followed by fish-crowded Commandeurs Reef (40-100 feet) are a good two-tank day, with the two sites only a short boat ride apart.

But leave some shore time to really appreciate Aruba. On Tuesday night, go to the Aruba Historical Museum and absorb some local color at the weekly Bon Bini (Welcome) Festival. Take a picture from the top of the Hooiberg or shop 'till you drop on Nassaustraat (that's right, "Nassau Street"), where the merchandise is not duty-free, but bargains can be found, nonetheless. Dine on your choice of cuisine, from iguana soup and stewed goat meat (both Antillean traditions) to Continental cuisine with a great view from a Palm Beach hotel. If you can only visit the Caribbean once, you could do far worse than to visit Aruba, which is off the beaten path, but worldly enough to offer a bit of dazzle.



## BONAIRE

The combination of dive-operator concern for the reef system and a permit-generated budget for maintenance of a Marine Park sums up just how seriously Bonaireans take reef preservation.

They have good reason to be that way. On many Caribbean islands, scuba diving is an important industry; on Bonaire, dive tourism is *the* industry. Even the license plates here say, "Diver's Paradise."

At most hotels on the island, air stations are standard equipment. Just about every hotel of any size has a dive shop on premises (and at least one hotel has two). This is where shore diving consistently offers the same quality as boat-accessible sites.

"We are very fortunate here; the fringing reef system is superbly ac-



lettered on them.

"On most sites south of town, the top of the reef slopes very gently down to about 100 feet, and the reef will have a wide belt of soft corals, which are very pretty," says DeMeyer. "The northern sites, on the other hand, will have narrow-topped reef to about 35 feet, and then it drops abruptly—not a wall, but steep, nonetheless."

The most popular dive on the island is easily the *Hilma Hooker*, a marijuana smuggler's boat which made the transformation from reefer to reef after she limped into harbor with engine problems and very nearly sank at the dock. Local dive operators convinced the government to scuttle the boat near shore, and she can now be dived from the beach or from a boat. Carl's Hill, off the northwest tip of Klein Bonaire, is popular with photographers; the reef here is so steep that it can actually be considered a wall. Karpata, named after the marine study station of the same name which sits above it, can be tricky to enter when the surf is running rough, but rewards the diver with intriguing underwater gullies.

DeMeyer points out that the reef-conservation ethic around Bonaire is so infectious that divers generally add to, rather than detract from, the effort.

"People like this ethic," says DeMeyer, and that fact is self-evident by the high repeat trade Bonaire enjoys from dive travelers. In a way, it's a self-propagating philosophy; because people enjoy Bonaire's approach to reef conservation, they can come back and enjoy the same quality of diving, year after year after year.

## CURAÇAO

Bring *lots* of film when you come to Curaçao, the largest and most varied of the three islands. If Aruba is the jet-setting playgirl, and Bonaire the sexy tomboy, then Curaçao is the urbane sophisticate of this trio. Nestled between its two sister islands, Curaçao is the pivotal center for commerce with Venezuela.

Cameras click at Willemstad harbor, where rows of Dutch-inspired, pastel-colored houses have a storybook image. Stone-walled 18th-century forts guard the entrance to the bay. An enormous floating bridge that spans the wide harbor entrance swings open like a giant garden gate, admitting cruise ships and small schooners laden with tropical fruit, fish, spices and oils for the town's quay-side floating market.

Unlike Aruba and Bonaire, Curaçao is a relative newcomer to the tourist trade, which means that bargains can be found and crowds are rare. For divers, this is especially good news; they'll find little boat traffic and lightly visited sites. Local biologists claim that every hard coral in the Caribbean—55 species in all—is represented here, along with some 30 different soft corals.

Macro life is especially plentiful here, and the dropoffs are astounding, with prolific plate corals that stairstep down the walls. You can visit gigantic sponges and black coral before ascending to the more ample bottom times available in the shallows, where you'll still find enough brain coral, staghorn elkhorn, meadow and stone coral to keep your camera happy. Director's Bay, on the east end, is one of these thrilling

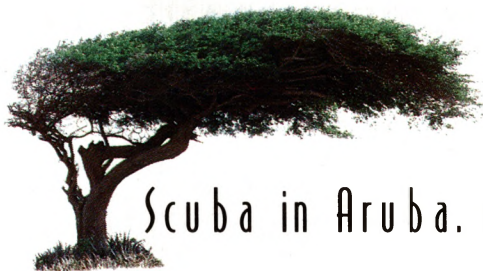
cessible," says Kalli DeMeyer, the oceanographer who manages the Bonaire Marine Park. The park completely surrounds Bonaire and its little satellite island, Klein Bonaire, and includes everything from the high-water line down to the 200-foot contour.

"Just about everyone who comes here will boat-dive," DeMeyer adds. "You need a boat to get to the sites around Klein Bonaire, and there are some other sites, such as La Donya's Leap, and Rappel, where, as the names imply, the terrain makes shore access difficult. But for the most part, you can dive right 'out of the boat' of a car all up and down the island, and be on the reef in a matter of minutes."

To get to dive sites, all you have to do is get a map, grab your gear and go. Sites are marked along the roadsides by distinctive yellow-painted duffelbag-size rocks with the name of the sites hand-



*With Dutch architecture and tropical colors, Curaçao is where Holland meets the Caribbean in a happy blend. Orange cup coral on Curaçao's wreck The Superior Producer. Photos by F. Stuart Westmorland.*



© 1992 Aruba Tourism Authority



Dive into our turquoise seas  
and discover Aruba's  
underwater wonders.

Scuba in Aruba. Explore the depths of your imagination.

Imagine a multitude of  
virgin reefs, choice dive  
sites, and drop-offs for  
divers of all levels.  
And nowhere in all the  
Caribbean will you find  
more underwater wrecks  
to explore.

Interested? See your  
travel agent or call  
1-800-TO-ARUBA.



PADI DIVE CENTER  
TEL./FAX:  
011-2978-60096

#### LET US TANK YOU UP!

- Guided dives on all reefs & wrecks
- 40' dive boat
- Equipment & camera rental
- Dive/hotel packages



TEL: (800) 345-2782 or  
(305) 427-5488  
FAX: (305) 427-7481



#### PELICAN WATERSPORTS, INC.

PADI International Training Facility

Modern dive centers with custom-built dive boats and top-quality rental/retail equipment. Night dives, two-tank dives, wreck dives, shore dives and more.

P.O. Box 1194, Oranjestad, Aruba, Phone: 011-2978-31228, Fax: 011-2978-32655  
All-inclusive packages available at La Cabana All Suite Beach Resort & Casino.  
For Information, call: 011-2978-24739, Fax: 011-2978-32655



#### S.E.A. SCUBA

- All levels of certification from resort courses through assistant instructor
- For the experienced diver - visit south-east virgin sites.
- New, custom designed 40' Burpee dive boat with dive platform and fresh water shower.
- Friendly, personalized service.
- Full service NAUI/PADI dive and retail shop located at Seaport Market (formerly Harbortown Market).
- All Inclusive packages available.

P.O. Box 1069 • Oranjestad, Aruba  
(011) 2978-34877  
Fax (011) 2978-34875

**1-800-999-9406**



#### ARUBA PRO DIVE

- Small dive groups—no cattle drives here!
- Twice weekly night dives with no minimum.
- No cash deposits on equipment rental.
- Full range of activities for the non-diving companion.
- Dive boats designed for easy entry and exit.
- Certification courses from resort to assistant instructor.

ARUBA PRO DIVE-Pontoon 88  
Oranjestad, Aruba 011-2978-25520 • Fax 011-2978-37723



- NEW CUSTOM DIVE BOAT!
- ALL-INCLUSIVE DIVE SPECIALS INCLUDE UNLIMITED GUIDED DIVES AND FREE AIR
- BEGINNING/ADVANCED DIVE PROGRAMS
- BEST CHOICE OF DIVE SITES
- NIGHT DIVES SCHEDULED ON DEMAND
- DIVER CERTIFICATION — NAUI AND PADI
- CAMERA RENTAL — EQUIPMENT REPAIR
- HOTEL PACKAGE INCLUDES ALL MEALS, DRINKS AND ACTIVITIES FOR THE ENTIRE FAMILY

ADDRESS: ALFRED DE MUSSETSTRAAT 1, ORANJESTAD, ARUBA. PHONE/FAX: 011-297-8-21596  
FAX IN U.S.A.: 305-370-6578 CALL TOLL-FREE IN U.S.A. AND CANADA: 1-800-845-DIVE (3483)

#### CARLOS VIANA'S



#### at THE MILL RESORT

Aruba's "MASTER INSTRUCTOR," Carlos Viana with 30 years diving experience, offers personal service to all locations, certification/instruction to professional level, 10 specialties including Advanced Wreck, equipment/camera rental and repairs. Dive center and packages at THE MILL RESORT, an intimate luxury resort with kitchens, jacuzzi, tennis, minimarket, minutes from glamorous Palm Beach. DAX Divers Aruba, experience the Sea like never before! For information, Tel: 011-2978-21270 or 67700, Fax: 011-2978-07271.

**DAX DIVERS ARUBA**

# ARUBA

Your pleasure is our only business



**DIVING PLUS**

Copán Belize  
Baboon Sanctuary Livingston  
Mountain Pine Ridge Tikal  
Bay Islands Jaguar Preserve

**GREAT TRIPS**

1616 W. 139th St.  
Burnsville, MN 55337, U.S.A.  
(800) 552-3419 (218) 847-4441

**Coming Next Issue**

Reserve your spot on our trip through the Caribbean

**CARIBBEAN TRAVEL GUIDE**

**DIVE the BEST of Belize for less**

- 8 days Ambergris Caye.
- Modern condo on beach w/ full kitchen, air, & pool.
- 4 Great Barrier Reef dives.

**Plus**

- 2 day trip to dive the famous Blue Hole; 4 other wall dives on the awesome offshore Atolls w/ 5 meals.

2 people \$827 per person  
4 people \$575 per person  
6 people \$541 per person

All taxes, transfers, and service charges are included.

**Discount air to Belize available!**

Many other packages offered . . .

**Belize Tradewinds**  
Tour Wholesaler

**1-800-451-7776**

wall dives, with a dark abyss below that drops, as local divemasters are fond of saying, "to China."

Also on the east end is what must be the most-dived spot in all of Curaçao. The Towboat, a 25-foot tug resting level in only 17 feet of water, is popular with divers and snorkelers alike. This site is exceptional at night, when the beautiful orange tubastria coral bloom, and the sunken tug resembles an enormous Christmas package.

Another wreck which shouldn't be missed is the *Superior Producer*, a 200-foot freighter sitting just off the entrance to Willemstad harbor. Loaded with T-shirts, jeans and tennis shoes, the ship pulled out of the harbor en route to Venezuela and then promptly sank in only 110 feet of water! The clothing was put to good use by the locals, and divers have been just as grateful. The wreck can frequently be seen in its entirety from the surface—further proof of the clarity of Curaçao's waters.

For a coral fantasyland, visit the Mushroom Forest, a vast expanse of mountainous star coral which has eroded into fanciful toadstool-like formations. Since it's possible to have a delightful dive here without exceeding 60 feet, bottom time will be plentiful.

Curaçao's reef is rarely far from shore, keeping boat rides short and shore diving convenient. For even more variety, day-excursions can be booked to Klein Curaçao, a tiny island several miles to the southeast. You'll be rewarded for the effort with pristine walls, large fish, nurse sharks, and possibly even mantas and pods of porpoise.

Visitors to this isolated section of the Caribbean could easily spend all of their time on Curaçao or on either of its neighbors and still go home satisfied and smiling. But to visit all three is a feast for the senses—a chance to see all the best features of Caribbean diving in one beautiful, Dutch-accented package. ■

*Jean Pierce (Napa, CA) and Tom Morrissey (Romeo, MI) can now speak 15 different phrases in Papiamentu, but have no idea what any of them mean.*

*The authors would like to thank KLM Royal Dutch Airlines, Lions Dive Hotel and Marina, Harbour Village Beach Resort, Hyatt Regency Aruba Resort and Casino, Princess Beach Resort and Casino, Underwater Curaçao, Coral Cliffs Diving, Seascope, Great Adventures Bonaire, Peter Hughes Dive Centers, Captain Don's Habitat, Sea & Sea, DEMA, and Marcella Martinez and Associates for their assistance in preparing this story.*

## DIVE TRAVEL INFO

### ABCs

**Number of islands:** Three

**Size:** Aruba: 20 x 6 mi.; Bonaire: 24 x 5 mi.; Curaçao: 38 x 5 mi.

**Population:** Aruba:70,000; Bonaire:11,000; Curaçao:150,000

**Languages:** Papiamentu, Dutch, English, Spanish

**Political affiliation:** Territories of the Kingdom of the Netherlands

**Entry documents required:** passport or proof of citizenship and return ticket

**Electrical current:** Aruba:110 volts/60 cycles; Bonaire & Curaçao:110–130 volts/220 volts/50 cycles

**Highest elevation:** Aruba:617 ft.; Bonaire:784 ft.; Curaçao:1,239 ft.

**Nearest major landmass/distance:** Venezuela Aruba:15 mi./Bonaire:50 mi./Curaçao:35 mi.

**Airlines servicing destination:** Air Aruba, ALM, American, BWIA, Continental

**Cities of departure:** New York, Miami, Atlanta, Los Angeles

### COSTS

**Price range of hotel room:** \$35–\$280 per night/ 2 people

**Avg. cost of two-tank dive day:** \$50

**Exchange rate:** \$1 US = 1.77 guilders or Aruban florins

**Departure tax:** \$10

**Avg. flight cost from:**

Miami: \$370 New York: \$385  
Los Angeles: \$590 Atlanta: \$385

### DIVING

	Winter	Summer
<b>Water temp:</b>	77°F	82°F
<b>U/W visibility:</b>	60–150 feet year-round	
<b>Air temperature:</b>	82°F year-round	
<b>Best diving months:</b>	August–October	
<b>Camera Rentals—Still/Video:</b>	yes	
<b>E-6 Film Processing:</b>	yes	
<b>Nearest chamber:</b>	San Francisco Hospital—Bonaire; St. Elizabeth Hospital—Curaçao	
<b>Wall diving?</b>	yes	<b>Wreck diving?</b> yes
<b>Top 3 dive sites:</b>		

#### ARUBA

1. Antilla 2. Baby Beach 3. Commandeurs

#### BONAIRE

1. Old Town Pier 2. Karpata 3. Carl's Hill

#### CURAÇAO

1. *Superior Producer* 2. Mushroom Forest  
3. Towboat

# KADUSHI CLIFFS. YOU'LL THINK YOU DIVED AND WENT TO HEAVEN.



P.O. Box 3673, Curaçao, Netherland Antilles • 011-5999-640200 • FAX: 011-5999-640282

Not an offering for sale where prohibited by law.

If you really want to dive and go to heaven, discover Kadushi Cliffs in picturesque Curaçao in the Dutch Caribbean. Here, your surface time is just as heavenly as your bottom time.



That's because our beautiful array of cliff-top, two-bedroom villas, magnificent resort amenities and pristine location - overlooking Curaçao's finest shore diving spot - are pure heaven! Heavenly diving means wall dives plunging to 100 ft. - sites teeming with rainbow colored tropical fish and coral - placid water ideal for those award winning shots, with visibility to 120 ft. - and best of all, this world class diving is directly in front of your villa. So find out how vacationing here can turn Kadushi Cliffs into your corner of the Caribbean forever. For reservations or more information, call Kadushi Cliffs today.



**KADUSHI CLIFFS**  
CURAÇAO

Caribbean Vacationing  
That Will Spoil You Forever.

Don't  
take the  
same old  
dive.  
Break  
away.



Break away to our 70-ft. coral reefs. Discover the magic of our underwater park. Uncover the wreck of the Superior Producer. There's an adventure for everyone.

**Princess Beach 7 nights \$759\***

Deluxe ocean front hotel, 13 boat dives including 1 night dive, round-trip airport transfers, all service charges and taxes, full American breakfast daily.

**1-800-833-SEAS**  
Innerspace Adventures

**Lions Dive Resort 7 nights \$689\***

Accommodations, 8 boat dives, weights/belt and unlimited shore diving, transfers, local tax and service charges, American breakfast daily.

**1-800-876-0070**  
International Resort Vacations

\* Rates are per person based on double occupancy and subject to change and availability

**curaçao**  
THE BREAKAWAY FROM THE EVERYDAY



**Bonus  
Book  
Savings**

For more information see your travel agent or call the Curaçao Tourist Board at 1-800-332-8266 ext.208

# THE BEST KEPT SECRETS OF BELIZE

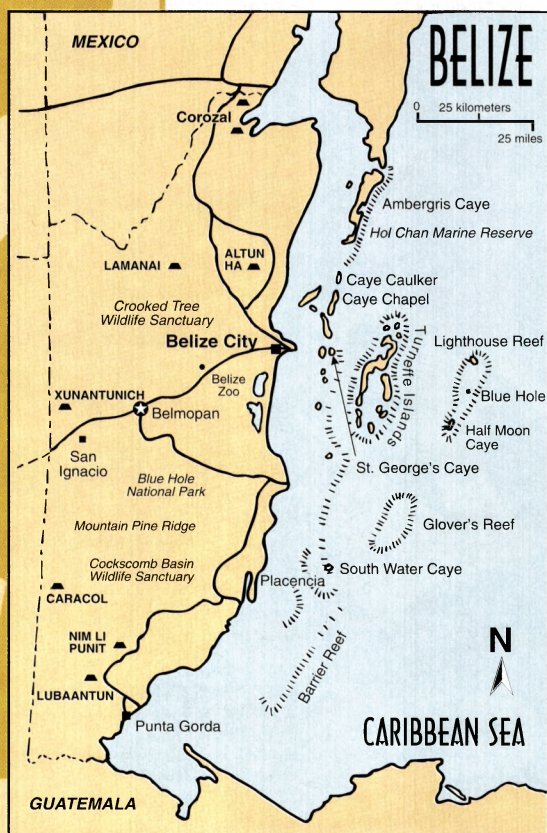
**IF** you've ever read anything about diving in Belize, you already know that Ambergris Caye is the diving capital. Its concentration of dive shops, restaurants and hotels surpasses anywhere else in the country. You also know that the world's second largest barrier reef delivers diving on a silver platter from Ambergris to Guatemala. And it's common knowledge that Belize has three offshore atolls (Turneffe, Lighthouse and Glover's) that are the crown jewels of Belize's diving. Probably Belize's most famous character is the 480-foot deep, 1,000-foot in diameter Blue Hole of Lighthouse Reef.

But, I'll bet you didn't know that there's a Blue Hole National Park located 30 miles inland. This is not "the" Blue Hole. It's an inland, fresh-water cenote. And, did you know that there are four islands scattered along the barrier reef (other than Ambergris) with full-service, pristine diving? They are Caye Caulker, Caye Chapel, St. George's Caye and South Water Caye. Both Caye Caulker and Caye Chapel have their own air strips (\$60 US roundtrip from Belize International, \$35 US from Belize City Municipal) or can be reached by boat taxi from Belize City (\$25 Bz roundtrip). These islands are less than a mile from the barrier reef and are blessed with white beaches, swaying coconut palms and a multitude of exotic birds. Plus, Belize's first golf course is under construction on Caye Chapel with a scheduled completion of summer 1994.

Directly west of Belize City is St. George's Caye with its two dive resorts but no air strip. Not to worry though, a scenic 30-minute boat ride gets you there. In addition to excellent barrier reef diving, one of the resorts offers nitrox diving.

Far south on the barrier reef, South Water Caye houses one dive resort and rests directly at the edge of the reef. It's one of the most remote resorts in a country that's over stocked with remoteness. The diving is pristine and the resort even offers air conditioning.

So, there's Ambergris, three atolls and four islands. That's it, right? Not so fast, amigo. There are still more bountiful diving opportunities to the south. From Belize's two most southern cities, Placencia and Punta Gorda, dive operations will transport divers to what some say is Belize's most virgin diving. This claim stems from the fact that less divers and fishermen visit the extreme southern barrier reef. Headlining this area are the Silk Cayes, three small islands which kiss the barrier reef and bring on the possibility of pelagic life. Inside the reef, there's Laughing Bird Caye, a



DOUG PERRINE & FRED GARTH



By Joan Bourque

national preserve, where there's diving only 10 miles from Plancencia. Here, divers and snorkelers can find red rope sponges and azure vast sponges—normally found below 20 feet—in less than six feet of water!

With this plethora of reef life, it's easy to see why diving and fishing created a boon of tourism in the 70s and 80s. Now, with the right attitude and abundant natural resources, Belize is poised for an onslaught of modern ecotourists, who seek the inner peace of the total vacation experience.

This nirvana vacation is achieved by touring both land and sea attractions. While the sea experiences are obviously extensive, so are the land opportunities. Amid forests of towering mahogany, zacota and other tropical hardwoods, roam jaguar, tapir, deer, jaguarundi, ocelot, bobcat, armadillo, agouti, gibnut, coatimundi, porcupine, spider monkeys, black howler monkey and the Baird's tapir, the national animal of Belize. Flocks of egrets, herons and storks wade through the wetlands, along with over 500 other species of birds.

*Above: While touching sea life is taboo for many, this wild dolphin hangs around Lighthouse Reef and allows human interaction. Below: Lighthouse Reef's picture-perfect Half Moon Caye is home to varied wildlife above and below.*



Belize is a landscape of cool mountain ridges covered with pine forests, dark green rivers shaded by mangrove forest, white river rapids, caves big enough to house a convention center, a thousand-foot-high waterfall, quaint Mennonite farms and brooding Mayan pyramids. The recently discovered "lost city" of Caracol may be the largest Mayan complex in Central America. Its warrior queen subjugated other city-states in both Belize and Guatemala.

You can hike or ride horses through the jungle, go spelunking, visit a butterfly farm, join a research project investigating wild dolphins or excavating Mayan artifacts, cast for bonefish or tarpon or troll for marlin.

As tourism has grown so has the choice of accommodations, which now span a wide range of flavors from modern luxury hotels in Belize City and Ambergris Caye to boarding with a local family with no electricity or running water at the Community Baboon Sanctuary in Bermudian Landing.

For a country about the size of Massachusetts, Belize has a multitude of choices. With 80 percent of its forests intact (as opposed to two percent in similar-sized El Salvador), it's easy to find unexplored territory. The choices are so vast that one or two weeks are just enough to scratch the surface—and to help you plan your next visit.

If you've never "done" Belize, you must see Ambergris, the Blue Hole and the atolls to qualify. However, you can't stop there. This country has too many unbeaten paths anxiously awaiting your traveling shoes.

See the following pages for a listing of Belize's Top Ten Land Excursions. ■

*Fred Garth, STM's managing editor, and Doug Perrine, an STM contributing editor have visited Belize over a dozen times combined.*

*Thanks to Blue Bonnett Tours, TACA airlines, St. George's Caye, Lighthouse Reef Resort.*



By Doug Perrine



## DIVE THE TURNEFFE ATOLL

- Turneffe Flats is located on a private island in the midst of world-class diving supervised by one of the most knowledgeable and experienced Dive Masters in Belize (15 years experience diving the Turneffe Atoll).
- Custom-built 31' Ocean Masters with twin 275s make over 75 dive sites including the Blue Hole, Half Moon Wall and The Elbow easily accessible.
- Dive packages include 3 dives daily, 1 night dive and unlimited shore diving. All transfers, room, board and taxes included.
- Comfortable accommodations for 14 guests with all the modern conveniences.

### TURNEFFE FLATS

P.O. Box 36, Deadwood, SD 57732

800-815-1304 or (605) 578-1304

\* Diving/fishing packages also available.



## BELIZE

### Reef and Beyond

International Expeditions invites you to explore the beautiful Belize barrier reef...and beyond. Belize is rich with tropical rainforests, cascading mountain waterfalls, 500 species of birds, jungle-veiled Maya ruins and manatee in inland lagoons as well as the world's first jaguar preserve. All this and the spectacular ruins of Tikal can be part of your dive trip to Belize. International Expeditions has 12 years of experience in high quality travel service to Belize and is fully equipped to handle all your needs. Call now, toll free, for the most comprehensive information available.



**INTERNATIONAL  
EXPEDITIONS INC.**

One Environs Park  
Helena, Alabama 35080 • 205/428-1700

TOLL FREE **1-800-633-4734**



## TOP TEN LAND EXCURSIONS OF BELIZE

**Belize Zoo and Tropical Education Center**—just 30 miles from Belize City on western highway, the zoo is home to over 100 species of Belizean wildlife, many of them endangered. The zoo began in 1983 and provides a natural setting for the animals so they are seen much the way they appear in the wild.

**Altun Ha Ruins**—30 miles north of Belize city, these ruins are accessible by land or sea and were discovered in 1957 by miners digging a quarry to build roads. Further excavation eventually revealed 13 buildings and two plazas as well as the largest (10 pounds) jade artifact ever discovered in the Mayan empire. The head is of Kinich Ahau, the sun God and was carved around 600 A.D. from one piece of jade. Still, you'll only be able to enjoy the ruins as Ahau's head is locked up in a Belizean bank.

**Crooked Tree Wildlife Sanctuary**—located just north of Altun Ha, this is the home of the Western Hemisphere's largest flying bird, the jabiru stork. With its 12-foot wingspan the stork is seen in abundance between October and February.

**Community Baboon Sanctuary**—the name is important to explain, in that this is a sanctuary created by the local community of Bermudian Landing, instead of the government, to protect their jungle friends. Additionally, the "baboons" are actually howler monkeys but locals refer to them as baboons. Since 1985 the population has grown from 500 to 1400 howlers. A guide is suggested and can be found in the village. Guides are also well versed in the local flora and fauna.

**Blue Hole National Park**—This is not "the" Blue Hole at Lighthouse Reef, but a park named for a beautiful inland, fresh-water cenote 12 miles southeast of Belmopan. Visitors cool off in the clear waters or perhaps visit St. Herman's Cave, another nearby cenote. The park is also brimming with wildlife from jaguars to a variety of rare bird species.



*Mayan Temple of the Sun Altun Ha ruins by Doug Perrine.*

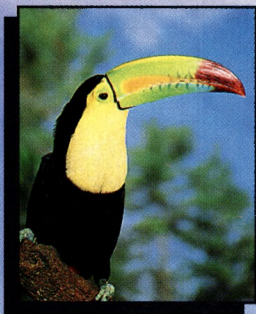
**San Ignacio**—just a few miles from the Guatemalan border, this western town is abundant with jungle lodges and hotels and is surrounded by attractions. Two ancient Mayan sites are nearby, Cahal Pech and Xunantunich. The later is perched on a ridge overlooking the Cayo district and was once a primary ceremonial center. Another Mayan attraction, Chechem Ha is a large cave which still houses intact Mayan pottery. The cave is only accessible by four-wheel drive and a tough hike. Horseback rides through the jungle, canoeing the local rivers or kayaking the whitewater can be arranged by your hotel.

**Shopping in Guatemala**—just a few miles west of San Ignacio across the border is Melchor, a Guatemalan city with an abundance of handicrafts. Less than two-hours drive from Belize City, you'll find everything from coffee to jewelry to hammocks to woven rugs. Prices are cheap and bargaining is the norm.

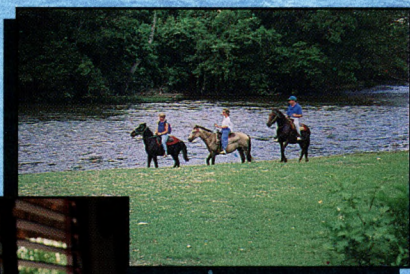
**Pine Ridge**—perhaps the most surprising area of Belize is Pine Ridge where most describe as being like the Smoky Mountains of North Carolina. The climate is dry and cool and forests of pine trees abound. Also here, are Belize's most spectacular waterfalls. Hidden Valley Falls, also known commonly as 1,000-foot falls is here along with Rio Frio Cave and Rio on Pools.

**Carazol**—at the southern edge of Pine Ridge is Carazol, a Mayan ruin that is gaining much recognition. First discovered in the 1930s, it wasn't until a major excavation in 1985 that the magnitude of Carazol was realized. It is now known that Carazol was a key Mayan city with almost 200,000 citizens and 4,000 structures over 55 square miles. Permits are required prior to visiting.

**Jaguar Preserve**—located south of Dangriga and actually named the Cockscorn Basin Wildlife Sanctuary, this preserve covers 100,000 acres and is home to 2,000 jaguars. The jags are elusive and skittish but there's plenty of wildlife to see if you miss the cats. ■



*JUNGLE RIVERS, MAYAN RUINS,  
GENTLE MOUNTAIN BREEZES...SERVICE EXTRAORDINAIRE*



## *Windy Hill* COTTAGES

*Graceland Ranch, San Ignacio, Belize*

Phone: 011-501-92-2017 Fax: 011-501-92-3080



"The ultimate in snorkeling, scuba diving and game fishing, with exotic jungles and mysterious Mayan ruins nearby."

*Town & Country Magazine*

**VICTORIA HOUSE**  
RESORT  
AMBERGRIS CAYE ■ BELIZE

Call 800-247-5159

The **Holiday Hotel** is located on the beach in the center of San Pedro Town on the tropical island of Ambergris Caye, Belize. All rooms have a view of the Caribbean Sea and the famous Belize Barrier Reef.

Our full-service dive shop offers equipment rental, PADI certification, diving, snorkeling, fishing and glass bottom boat expeditions. Our experienced guides offer personalized service in small groups.

---

For reservations dial direct 011-501-26-2014 or fax 011-501-26-2295 or write San Pedro Holiday Hotel, P.O. Box 1140, Belize City, Belize.



*Hall filming manatee by Doug Perrine.*

## FILMING BELIZE

Five hundred feet above Light-house Reef the plane banked sharply, leaving Half-Moon Caye behind. On the outer rim of the reef, *Wave Dancer* and the *Belize Aggressor* were dropping divers. In the center of the lagoon, the Blue Hole shined like a sapphire set in the ring of the atoll. As we dropped low over the corrugations of the reef, Howard's 16mm camera began to hum.

Why had Howard Hall chosen Belize as one the major filming locations for the one-hour *National Geographic* special "Jewels of the Caribbean Sea?" For one thing, Belize is the only country in the Caribbean with all four major reef types represented: patch reefs; fringing reefs; barrier reefs; and atolls. In addition to coral reef life, marine animals which are rare or have been completely eliminated in other areas can still be readily found, including estuarine crocodiles, manatees, and several kinds of dolphins.

Shortly after photographing reef sharks hunting on the shallow patch reefs of the lagoon, we were in the tropical forest of Half-Moon Caye filming a red-footed booby sheltering its chick in a nest only a few feet away. In the background magnificent frigate birds puffed out their enormous scarlet throat pouches in an exuberant display of seabird machismo. On the mainland, we could film hundreds of species of birds, jaguars, howler monkeys and other exotic beasts. There were Mayan ruins, waterfalls and hardwood forests waiting for our cameras. Had Howard made the right choice? See for yourself, April 13, 1994 at 8 p.m. on TBS—check local listings. ■

—Doug Perrine



ISLANDS FROM THE SKY-JIMMIE C. SMITH

# Blue Marlin

## LODGE

Basically, we have it all here waiting for you. We want to share our sanctuary with you, so loosen your tie, kick off your shoes, and wiggle your toes in the sand because we don't have any telephones or traffic out here, just clear blue Caribbean as far as the mind can wander. We welcome you to **Blue Marlin Lodge**! Come and enjoy...our island is your island.

### ★SPECIALS★

(Effective June 1-Sept 30, 1994)

8 days/ 7 nights diving  
ALL INCLUSIVE—\$995 per person/Dbl Occ



## DIVE BELIZE

### ★SPECIALS★

(Effective June 1-Sept 30, 1994)

8 days/ 7 nights vacation  
ALL INCLUSIVE—\$825 per person/Dbl Occ



**On the Reef... South Water Caye, Belize**  
**A hidden paradise for divers, anglers, and beach combers.**

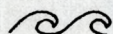
★ **ALL INCLUSIVE PACKAGES** include local transfers, accommodations, three meals daily, 6 days diving and relaxation and complimentary drink.

## 1-800-798-1558

International: 011-501-52-2243 or 011-501-52-2759 Fax: 011-501-52-2296

# CONQUERING BRITISH COLUMBIA

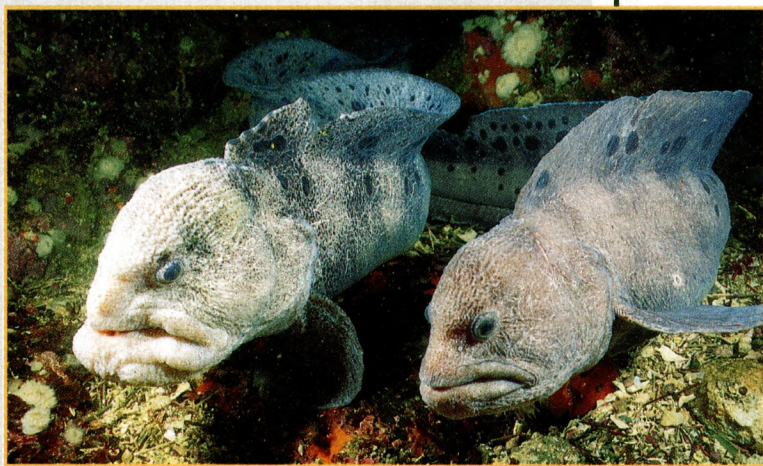
A SCUBA TIMES EXPEDITION



**W**hen asked what I consider to be the world's finest diving destination, my stock answer is: "If there are ten greatest diving spots in the world, British Columbia is definitely in the top five!"

This response is always greeted with disbelief and skepticism. Isn't the sky over the Pacific Northwest always rainy? "No", as many hearty "Canucks" (Canadians) have explained to me, "British Columbia gets so much sunshine that the clouds sweat and perspire from all of the hot air!"

I was glad to prove my point last autumn by leading a *Scuba Times Magazine* Expedition to Queen Charlotte Strait, British Columbia. While we were sure to encounter a wonderland of invertebrates, our prime search was for the coveted orca, the whale they call Killer.



BY FRANKLIN J. VIOLA



The expedition began out of Port Hardy, a tiny logging, mining and fishing town on the northeast tip of Vancouver Island. Our host vessel was B.C.'s premier live-aboard dive boat, the *M/V Clavella*. In operation since 1980, the 10-passenger, 61-foot wooden vessel is skippered by her owner John deBoeck. A native of Nanaimo, Vancouver Island, Captain John has been diving the islands and straits of British Columbia for over 20 years. Besides his extensive knowledge of 200-plus dive sites and the bizarre marine invertebrates that make cold-water diving so popular, Captain John is extremely well-versed in the identification and genealogy of orcas and Pacific whitesided dolphins.

Located between the extreme northern tip of Vancouver Island and mainland British Columbia, Queen Charlotte Strait is a high intensity waterway featuring world-record tidal currents that dictate when divers may safely enter. Her postcard dive sites are nestled among towering old-growth evergreen forests and intensely fissured rocky coastlines which thrust deep into aqua-green Northern Pacific waters. Instead of seagulls and frigate birds, the skies are patrolled by majestic bald eagles.

Below the tidal interface, the subaquatic world turns into steep pinnacle walls while the evergreen flora gives way to forests of kelp. Encrusting invertebrates such as barnacles, sponges, plumose anemones and cold-water soft corals greet divers descending through the undulating kelp. As abruptly as the terrestrial landscape gives way to the marine environment, so too does the pleasant 75°F-air plummet to a bone-chilling 48°F. Yes, B.C. diving is definitely not bikini, sandy or temperate. And there aren't any dive sites named Barracuda This or Shark Alley That!

To get acquainted with B.C. water conditions, we began our diving on two popular sites known as Hussar Point and Seven Tree Island. I must confess that three months prior diving in Fiji, Little Cayman and Malaysia did little preconditioning for the frigid waters of B.C. Four of

the expedition participants (Paul Billington, David Hamilton, John Slater and Steve Farthing) and I were diving in dry suits. Our two other expedition participants, Frank and Joyce Burek, were from Houston. Due to their usual tropical trip profiles, an investment in expensive dry suits was unreasonable. So they donned layer after layer of Lycra, Darlexx, and neoprene. They too were veterans of previous B.C. adventures and never missed a dive due to water temperature.

#### Worth the weight

With 30 pounds of lead on my belt and an additional two pounds strapped to each ankle, I depressurized my dry suit and descended into a world of psychedelically encrusting invertebrates. White and orange plumose anemones with slender tentacles billowing out of tubular stalks covered nearly every inch of reef. Scattered within this plush carpet were raspberry-red clusters of soft corals.

Representing the echinoderms were hundreds of long-spined giant red sea urchins grazing among the anemones. Their efficiency at removing algae made me wonder if they couldn't be sent on holiday to the Caribbean where some of the reefs there are in need of a good vacuuming.

Dazed by the abundance of life and color, I was not sure which direction to first point my camera lens. Yet I knew my bottom time would not come close to the 110 minutes of recent 40-foot dives in Little Cayman, so there was little time to waste. Previous B.C. trips convinced me low water temperatures not only decrease bottom time but also reduce the efficiency of camera strobes. Determined to squeeze every photographic second out of each dive, I fitted my strobes with customized wetsuits. There were snickers from the boat crew until they saw that the number of flashes and quick recycle time varied little from that of a tropical water excursion.

Our second day, now acclimated to the cold water, we dived Heard Island, Eagle Rock and Snow Fall Reef in Browning Passage. These were similar to our first dive sites, but with steeper drop-offs and bottoms in excess of 100 feet. Drifting along the walls, we encountered numerous orange-peel nudibranchs grazing on the algae covered ledges, which are appropriately named for the Florida citrus they resemble.

With still no orca sightings to mark in our log book, the highlight of Tuesday's diving came on a site called Hunt Rock,

designated by a navigation buoy on the western edge of Gordon's Channel. The dive begins 20 feet below the surface on a pinnacle which descends to a depth of 65 fathoms. The attraction here are four or five resident wolf eels. While not recognized by scientists

as true eels, these grotesque Halloween-masked piscivorans have canine teeth, pit bull jaws and serpent-like bodies. Though their physical appearance is frightening, they are as playful as puppies especially when offered a delicacy of red sea urchins.

#### Tremble Rock

Wednesday morning started off with heavy cloud perspiration and nature's air-conditioning turned up to full throttle. Mid-October is getting late in the season for diving northern B.C. But not one diver was late to the 8 a.m. skiff departure. Of all of the dive sites we would explore, none were more dictated by the time of slack water than Turret Rock.

A tiny island of granite and weathered pines, Turret Rock sits right in the middle of a navigable bottleneck connecting 700 square miles of inlet waters to the Pacific Ocean. Twice daily, tidal currents flood and ebb through this 600-foot-wide channel called Nakwakto Rapids. With peak currents often exceeding 16 knots and some recorded at 22 knots, Nakwakto Rapids has earned a place in the Guinness Book of World Records as the fastest tidal current in the world. Because the island visibly trembles and shakes during this phenomenon, B.C. divers have renamed it Tremble Rock.

Captain John consulted the tide tables and planned our dive at slack tide, a window which would safely allow us 20 minutes of bottom time. The highly oxygenated waters around Tremble Rock provide nutrients for exotic marine life not found subtidally anywhere else in B.C. One such inhabitant is the goose barnacle. Living in mats of abrasive intertwined clusters, these lustrous pearl-shelled crustaceans, accentuated with flame-red lips and feathery cirri nets, contrast sharply with their drab intertidal cousins. Before my film counter reached zero, I could feel the tug of the oncoming ebb tide warning us to ascend immediately.

As terrific as Tremble Rock was, I was equally elated with my personal goal of completing 10 dives without an ounce of ice water breaching the seals of my dry suit. In three prior trips to B.C., my experience with a dry suit was as much an oxymoron as *jumbo shrimp*! Previously, between dives my thermal underwear and booties hung by the *Clavella*'s vin-



*Above Left: Built in 1937, the 61-foot Clavella knows Canadian waters well. Left: The Rodney Dangerfield's of the sea, wolf eels are mighty ugly, but mostly docile. Above: Clusters of red goose barnacles are endemic only to the Nakwakto Rapids of B.C. Below: Red sea urchins and sea stars mingle among the fish eating tealina anemone.*



# MANTA RESORT

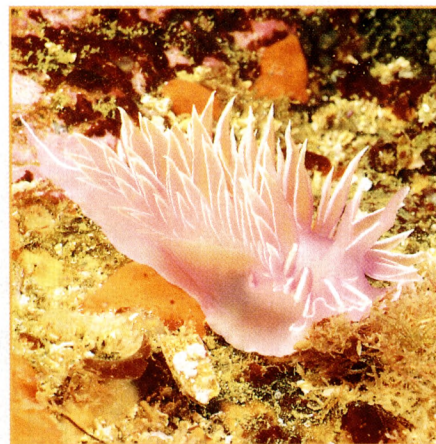
## GLOVER'S REEF ATOLL - BELIZE

... a private island on a protected atoll reserve.



- Private 12-acre island & tropical mahogany cabanas
- Modern, comfortable dive & fishing boats
- Last frontier of unspoiled dive sites
- Social activities included
- Scuba certification programs offered
- Bar & restaurant over pier
- E-6 photo lab

**1-800-342-0053**  
In Belize: 011-501-232767 • Fax 011-501-232764



*Above: Like a purple flame across the sea floor, this nudibranch feeds on algae and bryozoans.*

tage diesel oil stove while I tried not to turn into a human popsicle.

That afternoon we visited Narrow's Wall and photographed a rare orange grunt sculpin. Its short (three-inch) stout body and long snout fit right in with B.C.'s bizarre fish community. Nearly every dive we observed fearless mottled red Irish lords posing among the plumose anemones, blue-spotted kelp greenlings hiding in the kelp, and yellow and black speckled China rockfish curiously peering at us as we drifted by.

Day five brought more unwelcome news from the 0600 Canadian Coast Guard weather report. Gale-force winds and 15-foot seas were forecasted so Captain John proceeded to hide the M/V *Clavella* among the numerous inlets of Queen Charlotte Strait. Although we had search valiantly, we had yet to sight a single orca and began to wonder if they too were monitoring the VHF and had headed to Baja for the winter.

Protected within picturesque inlets shielded by thick forests, we were able to make three dives on Rainbow Reef, Browning Wall and Seven Tree Island.

#### Under it all

Although each dive is spaced a few hours apart to coincide with slack tide at the next site, cold-water diving requires more time for gearing up and breaking down. Layering long-johns under thermal coveralls, talcum-powdering latex seals, waxing waterproof zippers and soaking external gear in hot water is not like slipping into a Speedo.

In the galley we curled up in sweats next to the stove and sipped hot cocoa laced with coffee. As we listened to Captain John's seafaring stories Crosby, Stills, Nash and Young harmonized "Wooden Ships" on the CD player: "Wooden ships on the water, very free and easy . . . easy, you know the way its



**Wake up!**

**TACA INTERNATIONAL AIRLINES**

**Love at first dive!**

**NO NEED TO DAYDREAM ABOUT YOUR NEXT DIVING DESTINATION... DISCOVER BELIZE**

Dive the world's second largest barrier reef including the outer atolls and the world famous blue hole. Experience Mayan Temples, howler monkeys, manatees and endless miles of tropical rain forest.....Now is the time to discover the Belize that everyone is talking about.

And getting there is part of the fun. Because TACA offers more of Belize, out of more U.S. Gateways, with modern Boeing aircraft and the freindliest service in the air. Call now to book your exciting diving/adventure package:

**1-800-334-8582**

**Blue Bonnett Tours**  
12920 S.W. 122nd Avenue, Miami, FL 33186

suppose to be." The romantic lyrics epitomized the *Clavella* as her gentle roll cradled us while 40-knot winds gusted just outside the wheelhouse doors. Built in 1937 by Boeing Aircraft Company for service as a Canadian government patrol boat, the *Clavella* has been Captain John's mistress for over 12 years—an affair confirmed by the brass sign hanging on the bulkhead, "If God had intended for boats to be made of fiberglass, He would have made fiberglass trees."

Friday morning brought rays of sunshine and the chance to dive shallow Hussar Bay where thousands of mating hooded nudibranchs covered the kelp and rocky subtidal terrain. These very unusual-looking mollusks reach out and net food with a large oval hood sporting numerous marginal tentacles. Their four to six paddle-shaped appendages (cerata) add additional bulk to their large three-to four-inch body. Their bright white color made the entire kelp forest appear to be blanketed in snow.

Although it dawned a bright sunny day, we knew not to get our hopes up. Too much solar heat could get the clouds excited beyond the safe-working level of their antiperspirant. Sure enough, late that afternoon on the way back to Port Hardy the sky began to sweat. So who decides its time to show up and say good-bye? A pod of Pacific whitesided dolphins! With cameras in hand, four of us jumped into the skiff and geared up in a flash. Like Navy SEALs we back-rolled into the water as soon as the props stopped turning. Our motions seemed frozen in time as the magnificent six- to seven-foot mammals rocketed by us at Mach 2. The last minutes of ambient daylight slipped away taking with them any photo opportunities. Somehow these black-backed, white-bellied cetaceans with gray body panels sensed the futility of our efforts. They playfully teased and frustrated us by swimming closer. If not for their beauty and innocence with which they entertained us, I, for one, was ready to lift the ban on "tuna packed with dolphin."

Although we were disappointed at not sighting a single orca, we all discovered that the true gem of B.C. is the vast kingdom of colorful invertebrates. For those fortunate enough to venture beneath British Columbia's seemingly hostile surface, each knows they have experienced the pinnacle of North American diving. ■

*Franklin Viola lives in Roswell, GA, when he is not leading photo expeditions to exotic destinations. He is also a contributing editor for Scuba Times Magazine.*

*The author would like to thank Captain John deBoeck, Canadian Airlines, and especially, the participants who made this STM Expedition so enjoyable.*

## Maruba Resort & Jungle Spa

Modern facilities,  
private jungle reserve,  
swimming pool, Japanese  
tub, restaurant,  
bar, accommodations,  
Mayan ruins & wild-  
life tours. 30 miles  
north of Belize Inter-  
national Airport.

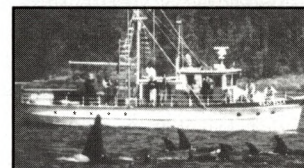
For information:  
USA 713-799-2031  
FAX 713-795-8573  
P.O. Box 300703  
Houston, TX 77230



**SUBSCRIBE TO  
SCUBA TIMES  
CALL  
1-800-950-7282**

### Whales & Dolphins!

Dive and cruise the wilderness coast of beautiful  
**British Columbia, Canada**



on the 61' Live-Aboard "M.V. CLAVELLA"  
★Special Group Rates★Individuals Welcome★  
We cover the coast - since 1980!

For the best diving in the known universe, contact  
Capt. John deBoek at CLAVELLA ADVENTURES  
Box 866, Nanaimo, B.C. Canada V9R 5N2  
Tel: (604) 753-3751 • Fax: (604) 755-4014

*Belize's  
Most Highly  
Recommended  
Travel Service!*

## Dive Unspoiled Belize

Our over 9 years experience in Belize and our *intimate* knowledge of all the island resorts and live-aboards allows us to offer the best in dive packages. In addition, we provide a host of adventure excursions, including jungle tours, natural history expeditions and archaeology explorations.

Dive packages to Cozumel, the Bay Islands of Honduras and the exciting new destinations of Costa Rica and Venezuela are also available.

All of our packages include *discount* airfares from all major U.S. cities. Individuals or group reservations are welcome!

5 Grogans Park, Suite 102 • The Woodlands, Texas 77380

1-800-451-8017 • (713) 367-3386

Fax (713) 298-2335





# GO BELIZE

**Go with the LOWEST PRICES.  
Go with the MOST EXPERIENCE.**

**For more than 20 years,  
Go Diving and Sahsa Airlines  
have been making it possible  
for divers to experience the  
only true barrier reef in the  
western hemisphere. Call**

**1-800-328-5285**



## BELIZE DIVE BELIZE

Unique, innovative travel packages for independent travelers.

A professional staff with extensive personal knowledge of Belize.

**1-800-626-DIVE**



TRAVEL  
BELIZE Ltd.  
of Boulder

**RED SEA**

## the M.V. SEA SURVEYOR



The real ocean-going vessel that sails the entire Red Sea!  
9 double air-conditioned cabins • dark room • video room  
60 tons of fresh water

**Only \$190 per night for 1994**

**CALL THE RED SEA EXPERTS  
International Diving Expeditions**

11360 Matinicus Ct. • Cypress, CA 90630  
**800-544-3483 • 714-897-3770**



**RES**

**Anthony's Key Resort** of Roatan, is celebrating its 25th Anniversary by offering up to one-third off its seven night dive package price during 1994 and 1995. The resort is also offering discounts on its dolphin swim and dolphin dive experience. For more information call (800) 227-3483 or (305) 858-5020.

**Aguila de Osa Inn**, formerly the El Caballito del Mar, of Drake Bay, Costa Rica, is under new management and has been completely renovated. For travel arrangements or for more information call (506) 232-7722 or (506) 296-2190.

**Bayman Bay Club** of Guanaja Island, in the Bay Islands chain off Honduras, has added a PDIC Instructor Development Program to its curriculum. Other programs available include an instructor's course, and a three week dive professional course which teaches advanced open water, rescue, dive supervisor and instructor. For more information call Terra Firma Adventures at (800) 524-1823 or (800) 358-DIVE.

**Dive-Inn** of Bonaire, Netherlands-Antilles, has opened a new scuba center in Puerto Cabello, Venezuela. Diving packages can be booked through Caradonna Caribbean Tours at (800) 328-2288 or (407) 774-9000.

**International Expeditions Inc.** is offering eight-day expeditionary diving trips to Belize and the Manta Resort next summer. The trips will explore sites around isolated Glovers's Reef Atoll, and are designed for experienced divers. For more information call Liz Bates at (800) 633-4734, extension 222.

The **Isla Mia**, a 75-foot live-aboard dive boat, will be hosting seminars on diving physiology, diet, exercise and decompression theory by Dr. Jolie Bookspan during the May 21 to 28, 1994, cruise in the Bay Island of Honduras. Dr. Bookspan is a diving researcher and author, and a former U.S. Navy physiologist. This workshop includes a certificate. NAUI continuing education credits are available. For reservations or for more information call (800) 874-7636.

**Micronesia Aquatics** of Chuuk (formerly Truk) Lagoon is celebrating its 20th anniversary this year. Also, welcome aboard to Matt Emery as operations manager and Julie Predmore Emery as director of sales. For more information call Micronesia Safaris at (800) 545-9524 or (310) 546-9299.

**Quabbin Dives Ltd.** of Grand Cayman has enlarged its retail and rental operations. As part of its expansion, Jim Crockett has joined the staff as general manager. Quabbin Dives has also acquired a 52-foot Hatteras boat, which is home for its new ExecuDives Program. In addition to great Cayman diving, ExecuDives receive a free video tape of one of their dives. For more information call (809) 949-5597.

**Riding Rock Inn** of San Salvador Island has expanded by 18 rooms, bringing the total accommodations to 42 rooms. The inn offers special dive packages which include hotel, taxes and gratuities, meals, airport transfers and three boat dives each day. Special charter flights are also available from Fort Lauderdale. For more information call (800) 272-1492 or (305) 359-8353.

**Turneffe Flats** a Belize shallow-water fishing resort has shifted into high gear to become a full service diving resort. The resort is located on Turneffe Islands Atoll, the largest of the three offshore atolls in Belize. Captain Hugh "Ho Ho" Parkey has joined the resort and will be offering advanced diving and specialty courses. Turneffe Flats has two 32-foot Oceanmaster diveboats which can accommodate six divers each. For travel arrangements or for more information call (800) 578-1304.

The **Underwater Explorers Society** of Freeport, Grand Bahama Island, is sponsoring breathhold diving legend, **Jacques Mayol**, to recreate his record-breaking dive to 200 feet using a pair of dolphins instead of the weighted sled he used in 1966. Mayol is the subject of numerous books, articles, and documentaries. He is also a coauthor of the international film, *The Big Blue*, based on his life story. The date for their *Homo-Delphinus Free Dive* will be set later. For more information call (305) 359-2730. ■

## COSTA RICA NATURE'S MUSEUM

*A Green  
Season Special  
for you  
Now!*

*WALK THE DEEP BLUE*

*In the Green Season  
the Diving's Never Better*

CALL YOUR  
TRAVEL AGENT OR  
PHONE: 1-800-327-7033



## Mauritius is Heaven.

**For divers & treasure seekers.  
For snorkelers & beachcombers  
For less than you think.**

Now, for the price of an ordinary trip, you can vacation in this jewel of a diving paradise in the Indian Ocean.

You'll find legendary wrecks to explore, underwater caves, night diving, and 100 miles of coral reefs brimming with colorful and exotic fish.

Ashore, you'll discover an unspoiled island with a fascinating blend of four cultures, a superb cuisine, colorful markets, and very friendly people.

Our special Diving & Snorkeling tour makes it easy and so affordable.



### DIVING & SNORKELING TOUR

Featuring 5 days of diving with 2 dives a day, roundtrip airfare from New York, transfers, 7 nights in a resort hotel, with 1 or 2 meals daily. London stopover permitted at no extra charge. From \$2,000 per person, plus taxes & airport fees. Some restrictions apply.



### AIR MAURITIUS

560 Sylvan Ave  
Englewood Cliffs, NJ 07632  
(201) 871-8381 / 1-800-537-1182  
In Canada, 1-800-363-9675

Please send Mauritius diving information to:

Name

Address

City  State  Zip

Telephone

# EDEN OF THE INDIAN OCEAN MAURITIUS

BY  
DALE  
SANDERS



The 747's wing dipped steeply as what seemed to be a near endless sea of cobalt blue rapidly became emerald then turquoise. Sheer volcanic escarpments covered in a velvet green emerged, each looking as if they had been carved by a master sculptor. Virgin white beaches bounded by tranquil coastal lagoons nearly encircled this ocean oasis. Soon it became obvious why Mark Twain proclaimed "that God modeled heaven after the island of Mauritius."

Mauritius, just east of Africa and Madagascar, basks amid the tepid waters of the Indian Ocean. The islands melting pot of culture dates back to early Dutch and Portuguese explorers, followed by the French where by it earned its name Isle De France. More recently colonized by the British, it now has a vast populous from India with mosques and shrines commonly found throughout the island.

Collectively, this potpourri of cultures

makes Mauritius the unique place it is. Clearly it is not just another exotic island in the sun, but an island nation, shaped by the richness of Asia, Europe and Africa, yet free and fully independent.

Mauritius' uniqueness doesn't stop with its culture. Both topside and underwater, visitors will encounter a profuse richness in life and natural beauty. From our host hostel, located on an 18th century historical estate known as Balaclava, it was possible to escape among the grounds ruins, waterfalls and lush tropical vegetation, or out from its beaches to Turtle Bay, the island's first national marine park. In this blue-green lagoon thick with hard corals, snorkelers can explore Mauritius' underwater world with some of the most bizarre fin fish populations on earth.

Directly offshore from Turtle Bay is a site known as Poison Reef. Divers will find this gradually sloping coral-covered bottom riddled with fissures and caves. The dive spot gets its name from the large population of stinging sea creatures which make these crevices their home. The distinguished populous of Poison Reef include overweight venomous lionfish,

and highly camouflaged and more dangerous stone fish. Besides these hazardous creatures this same area is blessed with enormous stands of anemones each with their own colony of clown, anemone or domino fish. Beyond the above, divers will also find sand eels and the mysterious ghost moray lurking amongst this fractured reef.

Just north of here, off Grand Bay lies one of Mauritius' most popular shallow dive sites. The Aquarium, although not original in name, is truly a horn of plenty when it comes to marine diversity. This flourishing reef system, in 30 to 60 feet of water, is said to contain over 200 species of marine life. However, the stars of the show here are two semi-tame giant morays. Similar in disposition to two love struck puppy dogs, these usually timid creatures interact closely with visiting divers here.

Out of Trou Aux Biches (pronounced Tour Beach) divers will be treated to one of Mauritius' best deep water dive sites known as Whale Rock. Huge basaltic boulders jut up from depths reaching 130-plus feet. Many of these massive struc-



*Far Left: Spotted moray eels are among the abundant sea life of Mauritius. Left: Beach scenes like this one are a testimony of why Europeans have flocked to this island off of Africa's southeastern shore. Above: Abundant rains keep Mauritius waterfalls flowing strong. All photos by Dale Sanders.*

tures are well over 80 feet off the bottom riddled with gullies and passage ways, and covered with deep water gorgonians, vibrant red soft corals and green to red bush coral. Treated as a drift dive, divers travel from one precipice to the next, with visibility in the range of 120 feet.

Besides the undersea dramatic scenery, Mauritius offers a blunderbuss of inland natural beauty. An afternoon's drive through the constantly changing topography of the southwestern part of the island brought forth vistas of lush green valleys with dramatic waterfalls. One such double waterfall can be visited when traveling to the chamarel region. At the Colored Earths, visitors are treated to vivid rainbow-like hues created by iridescent volcanic ash.

At Grand Basin, a hindu holy shrine, wild monkeys flock to take advantage of the many offerings of food, flowers and incense left along the lake's shoreline by worshipping hindus to their god Shiva. Traveling from here through pine forests and chinese guavas, travelers should also stop to view the Black River Peak Waterfall which cascades into a secluded

valley, with tropic birds soaring nearby on updrafts.

While on this side of the island, consider donning a tank with one of the many dive operators around the area of Flic en Flac. An interesting Tug wreck is found here in 60 feet of water with a resident red grouper and lots of big eye sweepers.

A must dive for those adventuresome divers is an all day trip offered to the northern smaller islands off Mauritius. Here divers can experience the literal rush of diving in Shark Pit. Just next to an ancient volcanic magma shaft are pit-like pockets etched away by years of constant erosive surge. Divers enter these volcanic cavities and sink to their bowl-like bottoms whereupon sharks swim in a circular pattern above them. Exciting stuff! Especially when a big bull shark decides to join the smaller guys. Visibility here is usually 150 feet or more with lots of other schooling fish to keep each diver's interest peaked. While diving here, or while in transit by boat to and from this area, keep a close eye peeled for migrating whales or other pelagics, as it is quite common to see sailfish, tuna and

occasionally various species of whales.

Reaching this island outpost might seem complicated at first, but after further inspection most traveling divers can reach the island of Mauritius with only one plane change in Europe. Compared to a recent trip to a small island in the Caribbean, which took three plane changes, Mauritius was a piece of cake, albeit longer. So, for those adventuresome dive travelers, find out for yourself why Mauritius has been the premier getaway location of Europeans for years. ■

---

*With more than 3,000 logged dives around the world Dale Sanders is currently cataloging and writing a manuscript entitled Shipwrecks of the Florida Gulf Coast.*

*The author would like to thank Mr. Inder Sethi of Air Mauritius, Maritim Hotel, Mr. Jeremy Pask of Mauritius Department of Tourism, Denis and Hugues Vitry of Blue Water Diving, the Desley Group, Caradonna Tours and Le Boss Charters.*



LAST WATERING HOLE

# PORTUGUESE FIRE AND WATER



*During July-August 1994, a Scuba Times Expedition will visit the Azores, primarily to swim with and photograph Sperm Whales. In the following article, expedition leader Doug Perrine reports on his exploratory trip during the summer of 1993. For information about joining the expedition, call STM at (800) 234-0060.*

**B**eneath my feet the very fabric of the earth was being stretched and torn, allowing the red hot liquid rock of the planet's interior to escape from the hardened shell which contains it. Thousands of feet below me, this lava was cooling as it contacted sea water and added more mass to the Mid-Ocean Ridge, already the greatest mountain range on earth at 36,000 miles long and 30,000 feet high. At only a few places along this great chain do the

peaks of the highest mountains break the surface of the ocean. The Azores Islands are nine such peaks, surrounded by the deep blue Atlantic. They are located about one third of the way from Lisbon to New York and belong to Portugal.

The landscapes of the Azores speak very clearly of their violent origins, recalling the song lyrics, "Fire and water have made you their daughter." As recently as 1957-8, a volcanic eruption redesigned the coastline of Faial Island, driving 2,000 people from their homes. All of the beaches on the islands consist of black volcanic sand. From there the land slopes steeply upward to peaks up to 7,800 feet above sea level. Each island has one or more *calderas* or great volcanic craters, and several have hot springs, boiling muds, fumaroles or other

indicators of continuing thermal activity. Offshore, deep hydrothermal vents have recently been discovered, housing previously unknown forms of sea life.

The steep incline of the land continues beneath the water, creating favorable conditions for the deep upwellings which nourish the food web, culminating in such large pelagic animals as mantas, sharks, and whales. Yankee whalers began visiting the Azores in the 19th century, seeking sperm whales. According to the locals, this was the setting for the novel *Moby Dick*. The Azoreans, descended from Portuguese immigrants who came in the 15th century, signed on the whaling ships as boatmen. As recently as 1984 they were still hunting Leviathan with hand-thrown harpoons from open rowboats.

As we began the inaugural trip of the first live-aboard in the islands the almost unbelievable clarity of the deep blue water seemed promising. Slipping into the water ahead of a squadron of jet-black dorsal fins on the first day, I soon found myself surrounded by pilot whales. One whale had a tiny calf so young that the fetal folds were clearly visible. A yearling swam on the cow's opposite side, nuzzling her continuously. They swam back and forth underneath me for several minutes, rolling upside down to look up at the visitor from another dimension. By the end of the next day I had seen bottlenose, common, spotted, and Risso's dolphins, orcas and, the quarry I sought, the mighty sperm whales. There was no repeat of the 1989 encounter when a team of researchers spent four hours filming a pod of 24 of the giants as they rested at the surface, socializing and rubbing against each other. Instead, we had brief sightings of whales spouting, swimming at the surface and fluking. We listened to their clicks on the hydrophones as they hunted. Nevertheless, we felt lucky to have seen one of the true marvels of the earth, a creature which very few humans have ever laid eyes on. More importantly, we had helped to institute a new sector in the Azorean economy; a nonlethal use of this great biological resource. ■

—Doug Perrine



**A New Wave in Diving!**

**SCUBA Fun with Snorkel Convenience**  
**C-BREATHE—**  
**12 VOLT AIR SUPPLY**  
 For Commercial & Sport Diving  
 25' Depth! One Hour!  
 Lightweight - Compact  
 Quiet - Simple



**'Just for Fun' Give Us a Call**  
**(604) 980-2936**  
 Fax (604) 983-3051

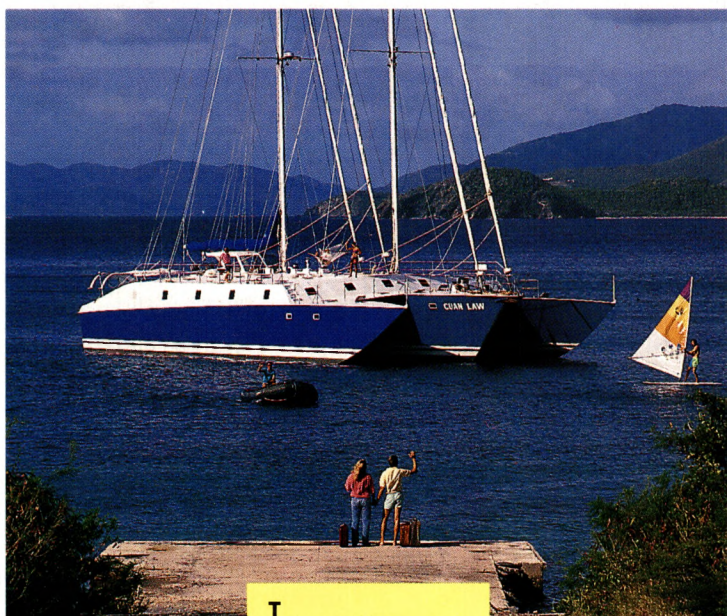
**The Atlantic Engineering Company Ltd.**  
 495 West Windsor Road, North Vancouver, B.C. V7N 2N5 Canada



The luxury 85'  
**Matagi Princess II**  
 6 deluxe double staterooms • E6 film processing  
 Sundeck with BBQ • Fully airconditioned

Contact: Tropical Dive Enterprises  
 Box 83 Waiyevo, Taveuni, Fiji Islands  
 Phone (679) 880260 Fax 880274 USA (800) - 3 MATAGI

# WE'LL BLOW YOU AWAY!



The 105' Cuan Law. Accommodating 20 guests. Superb service and comfort. Inspired meals. Numerous vacation diversions. Individual attention to every level of diver. And don't forget, non-divers are spoiled too. Also enjoy our 95' Lammer Law in the exciting Galapagos Islands.



1-800-648-3393



TORTOLA, B.V.I.

US Address: Trimarine, Inc. • Box 4065 • St. Thomas, U.S.V.I. 00803 • Fax 809-494-5774

Photos: Jim Scheiner

## Live-aboard Scuba Specials!

### PRO DIVE, Australia

..... from \$299  
 incl: Learn to Dive! Full certification, 2 nights Cairns, pool/class work, 3 days/2 nights live-aboard/11 dives, equipment, meals on live-aboard.

### TAKA II, Australia

..... from \$539  
 incl: Picture Perfect Underwater Photo Course, 4 days/3 nights/11 dives Cod Hole & Ribbon Reefs, all meals.

### NIMROD III, Australia

..... from \$1099  
 incl: 7 days/6 nights/24 dives to the Cod Hole & Northern Great Barrier Reef, all meals, Australia's "state of the art" live-aboard experience!

### REEF EXPLORER, Australia

..... from \$2750  
 incl: 11 days/10 nights/40 dives FAR Northern Great Barrier Reef, Great Detached Reef & Coral Sea, all meals, ONLY 10 DIVER MAX!

### SOLMAR V, Cabo San Lucas, Mexico

..... from \$995\*  
 incl: 5 nights/4 days diving Sand Falls, Gorda Banks, Cabo Pulmo and MORE!

### ..... from \$1995\*

incl: 8 nights/6 days diving Socorro and San Benedicto Islands. \*All cabins insure bathrooms, A.C., T.V. & VCR's, all meals, transfers, plus tax. Mantas, sharks, BIG FISH ACTION!

### BILIKIKI CRUISES, Solomon Islands

..... from \$1999  
 incl: 7 nights/6 days diving WWII wrecks, pelagic fish and beautiful hard & soft corals. All meals and tax.

### M.V. FANTASEA, Phuket, Thailand

..... from \$1120  
 incl: 8 days/7 nights/6 days diving Similan Islands, Surin Islands, and Burma Banks, all meals (Thai and Int'l cuisine!)

### CARIBBEAN AGGRESSORS

..... from \$1495  
 incl: 7 nights/6 days diving Bay Islands/Belize/Cayman/Turks & Caicos, all meals, shared bathroom, Sat. to Sat. departures only, 18 divers max.

## Sea Safaris

**800-821-6670**  
**US & Canada**  
**310-545-1672 FAX**

SEYCHELLES • MALDIVES

- TRUK • YAP • PALAU • FIJI • AUSTRALIA • VANUATU • SOLOMON ISLANDS • TAHITI • COOK ISLANDS • MALAYSIA • INDONESIA • THAILAND • ARUBA • BONAIRE • CURACAO • BELIZE • BAHAMAS • CAYMAN • TURKS & CAICOS • VIRGIN ISLANDS • DOMINICA • RED SEA

## TROPICAL ADVENTURES —TRAVEL—

- ▶ PAPUA NEW GUINEA
- ▶ SOLOMON ISLANDS
- ▶ SEA OF CORTEZ
- ▶ EAST AFRICA
- ▶ COCOS ISLAND
- ▶ BAY ISLANDS
- ▶ SEYCHELLES
- ▶ FIJI ISLANDS
- ▶ MICRONESIA
- ▶ GALAPAGOS

**REPRESENTING  
57  
LIVE-ABOARDS**

- ▶ INDONESIA
- ▶ AUSTRALIA
- ▶ THAILAND
- ▶ CAYMANS
- ▶ RED SEA
- ▶ BELIZE
- ▶ SABA

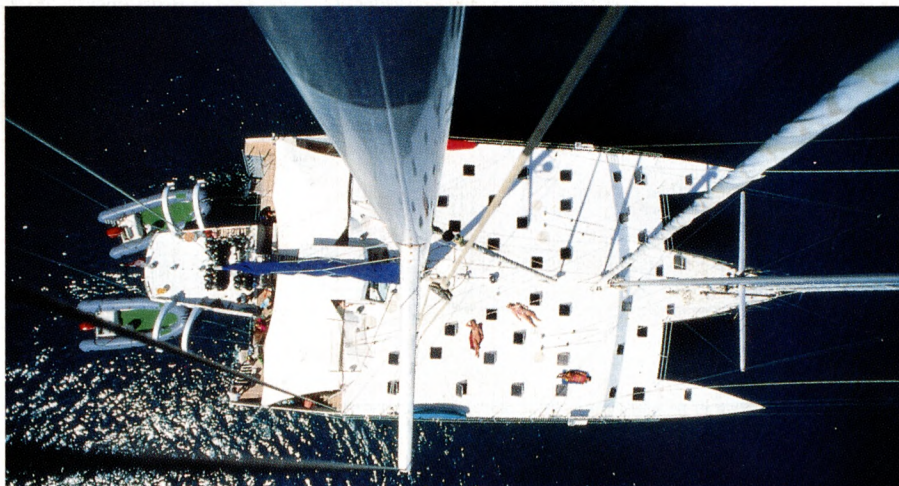
## TROPICAL ADVENTURES —TRAVEL—

# 800-247-3483

(206) 441-3483 FAX (206) 441-5431



## LIVE-ABOARD UPDATE



Trimarine by Michael Lawrence

# THE LIVE-ABOARD EXPERIENCE

**I**t was 1988-89 when the live-aboard dive boat explosion really began to boom. In early 1989, *Scuba Times* published the first chart listing every live-aboard in the world. Even then, there were almost 50 of them out there. Aggressor already had six in their fleet, the 457-foot Ocean Spirit was just beginning its three-year ride/slide and the number of live-aboards had doubled in about two years.

In this issue, we're publishing the fourth such chart (on the next three pages). New locations, new boats in the same locations, upgraded vessels to replace old ships and a higher standard of comfort has been the trend. As of press time, by our estimation, there are 109 live-aboards plying the waters of the planet.

Keep in mind, this list doesn't include every dive boat in the world, it would take 1,000 pages for that, just what we have defined as *live-aboard* dive boats. To meet that criteria, the vessels must be able to do the following. They must be 60-feet long or longer; they must comfortably accommodate eight or more passengers; a dive master or instructor must be a crew member; an on-board compressor is a

must; unlimited diving must be offered and the boat must be able to take divers out for at least one week without having to resupply. All of the boats in the chart fit the criteria, plus some.

So, you want to book a trip? You've got a couple of choices. You can call the boat owners directly (some boats have their own booking office) or you can call a dive travel wholesaler who may represent dozens of boats. Wholesalers block rooms on various boats just like blocking seats on airplanes. If you can't get the dates you want with one wholesaler, another may have space for the dates you want. Going direct may be the answer to your vacation plans because the boat owners may have a broader schedule of dates than the wholesaler. To find out more about a vessel, either the direct representatives or the wholesalers will gladly send you information on a boat and the destination it dives.

In the 90s, with so many choices and so much comfort, it's hard to go wrong. For the diver who wants a lot of rest and relaxation plus more food and diving than one person can take, the live-aboard experience is the way to go. ■

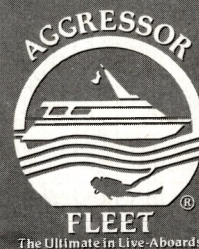
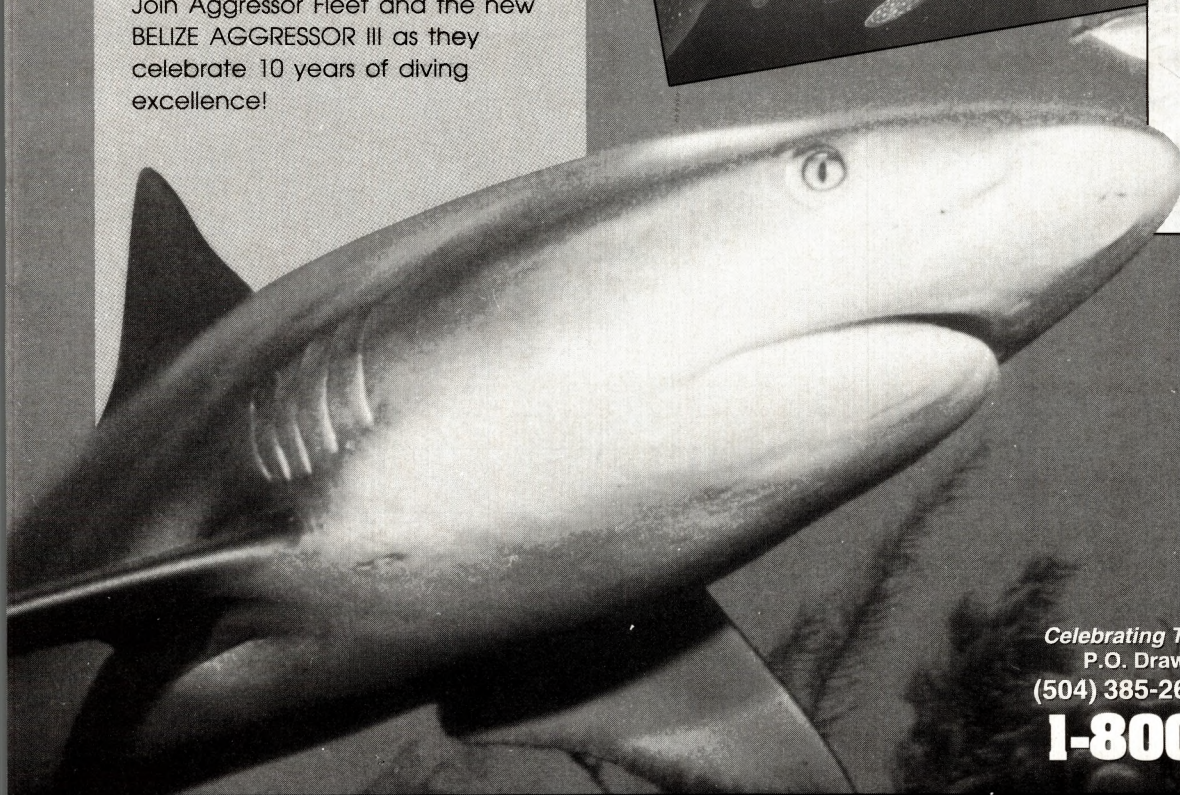
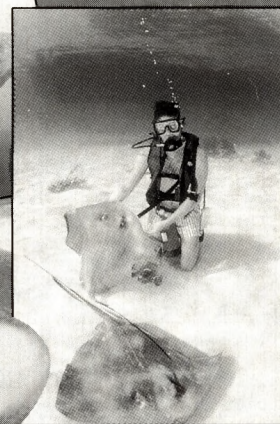
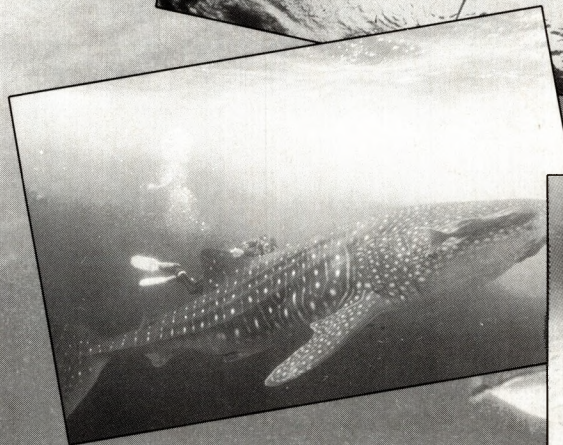
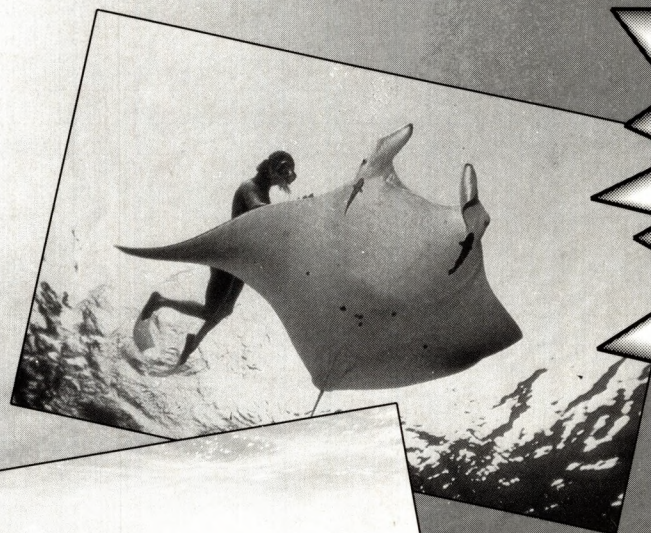
# AGGRESSOR'S

## *Animal Attractions*

The Blue Hole . . . Lighthouse Reef  
 . . . 200-miles of barrier reef . . .  
 experience the extraordinary diving  
 that has made Belize so popular,  
 all on the brand new, 120-foot  
 BELIZE AGGRESSOR III. Newly built  
 with all the comforts today's divers  
 expect, the BELIZE AGGRESSOR III  
 dives the best of Belize. With six  
 years of diving service in Belize,  
 Aggressor Fleet lets you experience  
 only the finest of this vast paradise.



Book your dream dive vacation in  
 1994 and experience a live-aboard  
 tradition that began 10 years ago.  
 Join Aggressor Fleet and the new  
 BELIZE AGGRESSOR III as they  
 celebrate 10 years of diving  
 excellence!



**AGGRESSOR FLEET**

*Celebrating Ten Years of Diving Excellence!*

P.O. Drawer K • Morgan City, LA 70381

(504) 385-2628 • FAX (504) 384-0817

**1-800-348-2628**

# Live-Aboards of the World

## FEATURES/SERVICES

## LODGING

## SPECIFICATIONS

A/C in Salon

A/C in Cabins

VCR in Salon

VCR in Cabin

TV in Salon

Free Snacks/Drinks

Bar (alcohol)

Shore Excursions

E-6 Film Processing

Video Edit. Equipment

Video Camera Rental

35 MM Camera Rental

U/V Video Instruction

U/V Photo Instruction

Certification Course

No. of Heads for Passengers

Total No. of Cabins

No. of Cabins w/ Shared Heads

No. of Cabins w/ Private Heads

No. of Passengers

No. of Tender Boats

No. of Crew

Boat Length

Average Retail Price in US Dollars/No. of Diving Days

### AFRICA

Ghanima 800-247-3483

N N N U N U U U I N N N N N N N 3 6 U U 12 6 1 65 U

### AUSTRALIA/QUEENSLAND

Auriga Bay II \*

I I I N I I I U I N N N N N N N U U 5 5 N 11 3 1 65 \$1890/8 days

Elizabeth II \*

I I I N I N E E U U N N U U N N 12 13 1 12 13 8 3 108 \$2970/10 days

Explorer II \*

I I N N N N E E N N N N N N E E I 3 9 2 N 22 5 1 61 \$75 per day

Force 5 011-619-384-5216

I N I N I N I E I N N N N N N N N U 2 U U 10 3 1 60 U

Jodi Ann II \*

I L I N I N I I I N N N N N N N N 2 5 U U 10 3 1 74 U

Kalinda 011-617-031-5255

I I N N N N E E N N N N N N E E I N 8 8 N 25 5 1 65 U

Mustique 011-617-031-4742

I I I L I L I I I N N N N N N N N 2 6 N 6 12 5 3 96 U

Nimrod III \*

I I I N I N E E N E I E E E E E 5 5 3 2 16 5 1 60 \$1500/7 days

Reef Explorer \*

I I I U I U U U U N U N U N L N 3 5 U U 10 5 1 65 \$1650/7 days

Sandra & Charlene II 011-617-051-2604

I I I N I N E E N N N N N N N I 5 12 5 N 25 6 1 110 U

Seatrek \*

U I I U I U U U L N U U E E L E 3 6 U U 16 3 1 65 U

Spoil Sport \*

I I I N I N I E L E U E I E I I 9 14 7 8 28 10 2 100 \$1579/7 days

Stella Maris 011-617-031-5255

I I N N N N E E N N N N N N E E I N 5 5 N 18 4 1 65 \$345/3 days

Supersport \*

I I I N I N I E L E U E I E I E 5 15 15 0 28 10 2 90 \$624/4 days

Taka II \*

I I I U I U U U I I U I U I I U 5 11 U U 26 7 2 72 \$580/4 days

Tallorook \*

I I I U I U U U I U U U U U U U 3 5 U U 10 4 1 75 U

Tropic Princess \*

I I N N N N E E N N N N N N E E I 2 10 N N 27 5 1 68 \$75 per day

Tropic Queen \*

N N N N N N E E N N N N E N E E I 2 12 2 N 26 5 1 61.5 \$75 per day

Undersea Explorer 800-388-7333

I I I N I N I E I E U E N E U E 5 11 11 U 15 3 2 80 \$1080/7 days

Watersport \*

I I I N I N I E N E N E I E I E 5 8 8 0 28 10 1 70 \$314/3 days

### BAHAMAS

Bottom Time II 800-234-8464

I I I N I U E E I E E E E E E 6 15 15 U 28 5 U 90 \$1295/7 days

Coral Star 800-433-7262

I I I N I N I E E N N L N L N E 7 9 4 5 18 7 3 115 \$1395/6 days

Crown Islander 800-245-FINS

I I I U I U U U I I U I U I I E 13 12 U U 32 7 2 131 \$1149/7 days

Dream Too 800-741-5335

U I I U I U U U E U U U U U E U 2 2 U U 12 5 1 60 \$799/7 days

Easy Goin' 305-584-1561

I I I N I N I I I N N N N N N N 2 5 4 0 8 3 1 65 \$1100/7 days

Good Time Diver II 305-584-9671

I I I U I U U U I I U U U U I U 2 3 U U 10 3 1 60 \$775/7 days

Gulf Stream Eagle 800-488-3483

I I I U I U U U I I U E U E E E 3 7 U U 20 5 1 100 \$1100/7 days

Morning Star 800-327-9600

I I U U U U U U I U U U U U U 3 6 U U 23 6 2 65 \$635/7 days

Nekton Pilot 800-899-6753

I I I N I N I E I E I E I E I E 18 17 0 17 34 6 2 78 \$1350/6 days

Pirates Lady 800-327-9600

I I U U U U U U I U U U U U U 3 6 U U 23 6 2 65 \$635/7 days

Sea Dragon 305-522-0161

I I I N I N I L I N E E L N N L 2 4 4 0 9 4 1 65 varies

Sea Explorer 800-327-9600

I I U U U U U U I U U U U U U 3 6 U U 23 6 2 65 \$635/7 days

Sea Fever 800-443-3837

I I I N I N E E I E I N N N N E 2 7 7 0 16 5 2 90 \$1199/7 days

Sol-Mar III 800-426-0466

U I N N N N I E I N N N N N N I 1 1 1 0 18 3 U 65 \$1200/7 days

### BELIZE

Belize Aggressor II 800-348-2628

I I I N I N I E I E L E E E E E 3 8 8 0 18 5 1 110 \$1495/7 days

Wave Dancer 800-9-DANCER

I I I N I N I I I E E E E E E N 1 10 0 10 20 8 1 120 \$1495/7 days

### BRITISH COLUMBIA

Clavella 604-753-3751

N N I N I N E L I L N N U N E E U 5 5 U 10 3 1 61 \$995/6 days

Skeena 604-681-2849

N N I N I N L N I N N N N N N 3 3 2 1 10 2 2 67 \$375/3 days

### BRITISH VIRGIN ISLANDS

Cuan Law 800-648-3393

I I I N I N I E I L E E E E E E 10 10 0 10 20 7 2 105 \$1290/6 days

Yacht Promenade 809-494-3853

I I I N I N I I I N N N N E N N 4 5 U U 10 4 2 65 \$2000/7 days

### CALIFORNIA/CHANNEL IS.

King Neptune 800-262-3483

N N I I I I I N E E E E E E E 3 4 4 1 30 3 2 65 \$425/4 days

### CAYMAN ISLANDS

Cayman Aggressor III \*

I I I N I N I E I E L E E E E E 3 8 8 0 18 5 1 110 \$1495/7 days

Myirma/Little Cayman Div. II 800-458-2722

I I I U I U U U L E U E U U U L 7 5 U U 10 4 2 90 1595/DIRECT ONLY

### COLOMBIA

Tropic Surveyor \*

I I I N N N I I I N N N N N N 7 7 6 1 32 11 4 100 \$1755/6 days

# Live-Aboards of the World

## FEATURES/SERVICES

## LODGING

## SPECIFICATIONS

A/C in Cabin	VCR in Cabin	VCR in Cabin	TV in Cabin	Free Snacks/Drinks	Bar (alcohol)	Shore Excursions	Video Edit. Equipment	Video Camera Rental	35 MM Camera Rental	UW Photo Instruction	Certification Course	No. of Heads for Passengers	Total No. of Cabins	No. of Cabins w/ Shared Heads	No. of Cabins w/ Private Heads	No. of Passengers	No. of Tender Boats	Boat Length	Average Retail Price in US Dollars/No. of Diving Days
--------------	--------------	--------------	-------------	--------------------	---------------	------------------	-----------------------	---------------------	---------------------	----------------------	----------------------	-----------------------------	---------------------	-------------------------------	--------------------------------	-------------------	---------------------	-------------	---

### COSTA RICA

<i>Okeanos Aggressor *</i>	I	I	I	N	I	N	I	I	E	E	L	E	E	E	E	N	4	10	10	0	21	8	2	120	\$2495/10 days
<i>Undersea Hunter *</i>	I	I	I	N	I	N	E	E	L	E	N	N	N	N	N	N	5	6	2	4	14	6	2	90	\$2495/7 days

### FIJI

<i>Matagi Princess</i> 800-3 MATAGI	I	I	I	N	I	N	I	E	I	E	N	N	L	E	L	L	7	6	0	6	12	5	1	85	\$1750/7 days
<i>Mollie Dean II *</i>	I	I	U	N	U	N	U	U	U	E	N	N	N	N	N	N	U	5	U	U	U	4	U	110	\$1750/6 days
<i>Nai'a</i> 800-348-9778	I	I	I	N	I	N	I	E	I	E	N	N	N	N	N	N	8	8	0	8	16	11	2	110	\$1980/6 days

### FLORIDA KEYS/DRY TORTUGAS

<i>Extasea</i> 800-247-1913	I	I	I	U	I	U	U	U	L	E	U	E	U	E	E	E	4	6	U	U	28	2	U	100	\$450/3 days
<i>Island Sun</i> 305-451-3200	I	I	I	I	I	I	I	N	E	N	E	E	E	E	E	E	1	4	3	0	6	2	1	60	\$530/3 days
<i>Spree</i> 409-265-3366	I	I	I	N	I	N	I	E	I	N	N	N	N	N	N	N	3	U	N	N	34	6	1	100	\$625/5 days

### GALAPAGOS

<i>Albatros</i> 800-336-8423	I	I	I	U	I	U	U	U	I	E	U	N	U	E	E	N	10	7	U	U	12	9	3	80	\$1995/7 days
<i>Cachalote *</i>	I	U	U	U	U	U	U	U	I	U	U	U	U	U	U	U	3	5	U	U	10	6	2	70	\$1775/7 days
<i>Encantada *</i>	U	U	U	U	U	U	U	U	I	U	U	U	U	U	U	U	2	5	U	U	10	6	2	72	\$1750/7 days
<i>Eric *</i>	U	U	I	N	I	N	U	U	U	N	N	N	N	N	N	N	U	U	U	10	20	10	U	83	\$1750/6 days
<i>Flamingo *</i>	U	U	I	N	I	N	U	U	U	N	N	N	N	N	N	N	U	U	U	10	20	10	U	83	\$1750/6 days
<i>Galapagos Aggressor *</i>	I	I	I	N	I	N	I	E	E	E	L	E	E	E	E	N	6	6	0	6	12	8	1	80	\$1995/7 days
<i>Lammer Law</i> 800-648-3393/800-247-2925	I	I	I	N	I	N	I	E	I	N	N	N	N	N	N	N	9	9	0	9	18	9	U	95	\$1950/8 days
<i>Mistral II *</i>	I	I	I	N	N	N	E	E	N	N	N	N	N	N	N	N	5	6	1	5	12	6	2	66	\$2750/10 days
<i>Nortada</i> 813-637-9876 (FAX)	I	I	I	U	I	U	U	U	I	U	U	U	U	U	U	U	5	5	U	U	10	5	2	66	\$1750/7 days
<i>Reina Silvia</i> 303-494-8384	I	I	I	L	I	L	I	E	I	N	N	E	I	E	I	N	9	9	0	9	16	8	3	90	\$2700/9 days
<i>Resting Cloud *</i>	I	I	I	N	I	N	E	E	I	N	N	N	N	N	N	N	5	5	0	5	10	5	12	84	\$2000/8 days
<i>Sea Cloud *</i>	U	U	I	N	I	N	U	U	U	N	N	N	N	N	N	N	U	5	U	5	10	7	U	85	\$1850/6 days

### GRENADINES

<i>Aquanaut Explorer</i> 800-327-8223	I	I	I	N	I	N	E	E	E	N	N	N	N	N	N	N	E	N	20	0	20	40	16	4	165	U
<i>Tropical Sun</i> 800-327-8223	I	I	I	N	I	N	E	E	E	N	N	N	N	N	N	N	E	N	40	0	40	80	24	6	200	U

### HAWAII

<i>Kona Aggressor II *</i>	I	I	I	N	I	N	I	I	E	L	E	E	E	E	E	E	5	5	0	5	10	5	1	80	\$1795/7 days
----------------------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----	---	---	----	---------------

### HONDURAN BAY ISLANDS

<i>Bay Islands Aggressor II *</i>	I	I	I	N	I	N	I	E	I	E	L	E	E	E	E	E	3	8	8	0	18	5	1	110	\$1495/7 days
<i>Isla Mia</i> 800-874-7636	L	I	I	N	I	N	I	E	L	E	N	E	N	E	L	N	3	7	7	0	14	5	2	75	\$1095/6 days

### INDONESIA

<i>Cehili</i> 800-525-3833	I	I	I	N	I	N	I	E	I	E	E	E	E	E	E	E	12	10	0	10	24	22	4	148	\$2162/9 days
<i>Serenade *</i>	U	U	I	U	I	U	U	U	E	U	U	U	U	U	U	L	4	6	U	U	12	8	2	80	\$1295/7 days
<i>Tropical Princess *</i>	I	I	I	U	I	U	U	U	I	E	U	U	U	U	U	U	6	9	U	U	17	8	2	100	\$1960/7 days

### MALAYSIA

<i>Sprit of Borneo *</i>	I	I	I	N	I	N	I	E	N	L	N	N	N	N	N	N	11	9	8	1	18	12	2	120	\$2970/9 days
--------------------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----	---	---	---	----	----	---	-----	---------------

### MALDIVES

<i>Keema *</i>	U	I	I	U	I	U	U	U	I	U	U	U	U	U	U	U	6	6	U	U	12	5	2	80	\$3250/10 days
----------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----	---	---	----	----------------

### MEXICO/BAJA

<i>Baja Treasure *</i>	I	I	I	N	I	N	I	E	U	E	N	N	N	N	N	E	U	9	0	9	18	8	2	U	\$1320/6 days
<i>Copper Sky</i> 800-843-6967	N	N	I	N	I	N	I	L	L	N	N	N	N	N	N	N	0	6	6	0	12	6	2	88	\$1495/7 days
<i>Don Jose</i> 800-843-6967	N	N	I	N	I	N	I	L	L	N	N	N	N	N	N	N	0	7	7	0	16	6	2	80	\$1495/7 days
<i>Octopus</i> 800-344-8580	I	I	I	U	I	U	U	U	I	E	U	E	U	E	E	U	U	4	U	U	8	U	0	65	\$1495/7 days
<i>Quintana Roo</i> 800-344-8580	U	U	U	U	U	U	U	U	E	U	U	U	U	E	U	E	1	1	U	U	8	4	1	65	\$1050/7 days

### PALAU

<i>Ocean Hunter *</i>	I	I	I	N	N	N	I	E	L	N	N	N	N	N	L	N	2	3	2	1	8	3	1	60	\$1895/7 days
<i>Palau Aggressor *</i>	I	I	I	N	I	N	I	E	I	E	L	E	E	E	E	E	7	7	0	7	14	5	2	110	\$1995/7 days

### PAPUA NEW GUINEA

<i>Chertan</i> 011-617-061-1167	N	I	I	I	I	I	I	E	I	N	N	N	N	N	N	N	2	6	6	0	10	7	1	60	\$2500/10 days
<i>Febrina *</i>	I	I	I	U	I	U	U	U	I	E	U	U	U	U	U	U	4	6	U	U	12	6	1	72	\$1960/7 days

## LEGEND

I = Included , E = Extra Cost , L = Limited , U = Information Unavailable , N = Not Offered

# Live-Aboards of the World

Live- Aboards of the World	FEATURES/SERVICES										LODGING				SPECIFICATIONS										
	A/C in Cabin	VCR in Cabin	VCR in Cabin	TV in Cabin	Free Snacks/Drinks	Bar (alcohol)	Shore Excursions	E6 Film Processing	Video Edit. Equipment	Video Camera Rental	35 MM Camera Rental	UW Video Instruction	UW Photo Instruction	Certification Course	No. of Heads for Passengers	Total No. of Cabins	No. of Cabins w/ Shared Heads	No. of Cabins w/ Private Heads	No. of Cabins with No. of Passengers	No. of Crew	No. of Tender Boats	Boat Length	Average Retail Price in US Dollars/No. of Diving Days		
PAPUA NEW GUINEA																									
Golden Dawn *	I	I	I	N	I	U	E	E	N	E	N	N	N	N	N	4	5	5	0	10	5	1	80	\$2750/10 days	
Melanesian Discoverer 310-785-0370	I	I	I	U	I	U	U	U	I	I	U	I	U	I	I	U	21	U	U	42	18	3	117	\$2450/7 days	
Telita *	I	I	I	N	I	N	I	E	U	N	N	N	N	N	N	2	5	5	0	10	U	U	65	\$2970/10 days	
Tiata *	I	I	I	N	I	N	I	E	N	N	N	N	N	N	L	N	2	5	5	0	10	U	1	75	\$2970/10 days
PHILIPPINES																									
Nautika *	I	I	U	N	U	N	U	U	N	N	N	N	N	N	N	U	U	U	0	16	7	2	100	\$1540/6days	
Tristar *	I	I	I	U	I	U	U	U	U	U	U	U	U	U	U	6	10	U	U	20	20	2	120	\$2495/10 days	
POHNPEI																									
Lieulele the Pohnpei *	U	I	U	U	U	U	U	U	I	N	U	N	U	I	N	N	3	7	U	U	15	4	1	78	U
RED SEA																									
Barakuda *	U	U	I	U	I	U	U	U	E	U	U	U	U	U	L	8	8	U	U	16	8	1	93	U	
Colona IV *	I	I	I	N	I	N	E	E	E	N	N	N	N	N	N	2	4	4	0	10	4	1	75	\$1695/7 days	
Crissy II *	I	I	I	U	I	U	U	U	U	U	U	U	U	U	U	4	7	U	U	14	5	1	66	\$1195/7 days	
Fantasea II *	I	I	N	L	I	L	I	I	I	N	N	E	I	E	I	N	7	7	0	7	16	8	3	115	\$3000/10 days
Ghazala I *	I	I	I	U	I	U	U	U	E	E	U	U	U	E	U	U	4	6	U	U	16	5	U	82	U
Gina *	U	U	I	U	I	U	U	U	E	U	U	U	U	U	L	L	3	5	U	U	10	5	1	60.5	U
Lady Jenny *	I	I	I	U	I	U	U	U	U	L	U	U	U	I	L	U	5	7	U	U	16	6	2	96	\$1100/7 days
Manta Ray 011-972-7-335067	I	I	I	N	I	N	I	E	N	N	N	E	N	E	L	E	2	3	2	1	8	4	1	62	\$1149/7 days
Number One 800-322-3577	I	I	I	N	I	N	I	E	N	N	N	N	N	N	N	N	5	10	10	0	20	10	2	110	\$1795/7 days
Perla I *	I	I	I	U	I	U	U	U	U	U	U	I	U	I	U	U	4	7	U	U	14	6	1	66	\$1190/7 days
Sea Surveyor 011-972-7-335067	I	I	I	N	I	N	I	E	N	E	E	E	E	E	E	E	7	9	8	1	18	8	2	114	\$1330/7 days
Tamara I *	I	I	I	U	I	U	U	U	E	I	U	U	U	U	L	L	3	6	U	U	12	6	2	75	\$1290/7 days
RUSSIA																									
ACFES 011-423-224-54911 (FAX)	I	I	I	U	I	U	U	U	E	U	U	U	U	E	U	U	2	6	U	U	12	5	1	96	\$1050/7 days
SABA/ST. KITTS/ST. MARTIN																									
Caribbean Explorer 800-322-3577	I	I	I	N	I	N	I	I	E	E	E	E	E	E	E	N	3	9	9	0	18	6	1	106	\$1395/7 days
SOLOMON ISLANDS																									
Bilikiki *	N	I	I	N	I	N	E	E	I	E	N	N	N	E	I	E	0	10	0	10	20	12	2	125	\$2960/10 days
Kirio *	I	I	I	N	I	N	E	E	I	N	N	N	N	N	N	E	2	3	3	0	10	7	1	68	\$1295/7 days
Spirit of Solomons *	I	I	I	N	I	N	E	E	I	E	E	L	I	E	I	E	4	13	6	7	26	12	2	125	\$2960/10 days
TEXAS FLOWER GARDENS																									
Fling 409-265-3366	I	I	I	N	I	N	I	E	N	N	N	N	N	N	N	N	3	1	0	0	34	6	1	100	\$495/4 days
THAILAND																									
Crescent *	U	U	I	U	I	U	U	U	I	U	U	U	U	E	E	E	3	4	U	U	10	4	1	60	\$900/7 days
Fantasea *	I	I	I	N	I	N	I	E	I	E	N	E	E	E	E	E	3	7	7	0	16	7	1	98	\$1120/7 days
Sai Mai II *	I	I	I	U	I	U	U	U	E	E	U	E	U	E	E	E	2	4	U	U	8	6	1	70	\$1120/7 days
Scuba Explorer 011-667-638-1625	I	I	I	N	I	N	E	E	I	N	N	N	E	L	E	E	3	6	5	1	14	6	1	70	\$480/3 days
TRUK LAGOON																									
Thorfinn *	I	I	I	N	I	N	I	E	I	E	N	E	E	E	E	L	9	13	10	3	26	20	4	170	\$1700/7 days
Truk Aggressor *	I	I	I	N	I	N	I	E	I	E	L	E	E	E	E	E	10	10	0	10	20	4	1	120	\$1895/7 days
TURKS AND CAICOS																									
Aquanaut *	I	I	I	N	N	N	I	E	L	N	N	N	N	N	N	N	1	2	2	0	4	2	1	45	\$1395/6 days
Sea Dancer 800-9-DANCER	U	I	I	U	I	U	U	U	E	E	U	E	U	E	E	E	10	9	U	U	18	6	2	110	\$1395/7 days
Turks and Caicos Aggressor *	I	I	I	N	I	N	I	E	I	E	L	E	E	E	E	E	3	7	7	0	16	5	1	100	\$1495/7 days
U.S. VIRGIN ISLANDS																									
Angelica I 505-384-3149	I	I	I	I	I	I	N	I	U	U	I	U	E	U	E	E	6	6	2	4	12	10	2	110	\$2000/7 days

## WHOLESALERS

Live-Aboards followed by \* are represented by one or more of the following wholesalers:

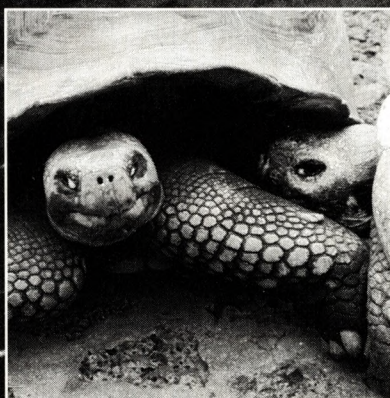
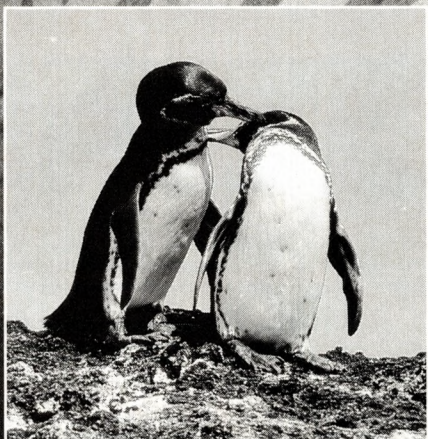
Adventure Express 800-443-0799  
Aggressor Fleet 800-348-2628  
Caradonna Caribe Tours 800-328-2288  
Caribbean Adventures 800-934-DIVE  
Fantasia Destinations 800-336-3483  
Fantasia Tours 800-525-1666  
Go Diving 800-328-5285

Innerspace Adventures 800-833-SEAS  
International Diving Expeditions 800-633-4734  
Island Dreams 800-346-6116  
Ocean Connections 800-365-6232  
Poseidon Ventures 800-854-9334  
Scuba Vacation Center 800-344-8580  
See and Sea 800-DIV-XPRT  
Sea Safaris 800-821-6670  
Tropical Adventures 800-247-3483  
Tropical Concepts 800-789-3483

## LEGEND

I = Included  
E = Extra Cost  
L = Limited  
U = Information Unavailable  
N = Not Offered

Please note that much of the information in the live-aboard chart was given by boat owners or representatives. While *Scuba Times Magazine* staffers have made every effort to assure that the chart is accurate, some inconsistencies may occur. Contact boat representatives directly, if you have any questions or would like further information.



INTRODUCING THE NEW  
GALAPAGOS AGGRESSOR  
**EXPERIENCE  
THE  
"ENCHANTED"  
ISLANDS**

**E**xperience one of the "Seven Underwater Wonders of the World" on board the new **GALAPAGOS AGGRESSOR**. Escorted by playful Sea Lions, you may encounter sea turtles, penguins, eagle rays, huge groupers, hammerheads, whale sharks, dolphins and a number of whale species while diving the Galapagos Islands.

These "enchanted" islands are located in the Pacific Ocean, 600 miles west of Ecuador. Their volcanic formation and isolation have allowed the evolution of many species, such as the giant Galapagos tortoise and the marine iguana, found nowhere else in the world. You will have the opportunity to explore and photograph the abundant wildlife and craggy volcanic above-water scenery during your 7-day cruise.

The **GALAPAGOS AGGRESSOR** offers divers a virgin paradise with endless opportunities for spectacular photography and once in a lifetime experiences. Call now for details and book your "enchanted" Galapagos dive vacation!



AGGRESSOR FLEET  
**1-800-348-2628**

P.O. Drawer K • Morgan City, LA 70381  
in LA (504) 385-2628 • Fax (504) 384-0817



# CONFUSED ABOUT LIVEABOARDS?

**CALL US FOR:  
BEST BOATS  
BEST DIVING  
BEST PRICES**

WE FEATURE SPECIAL  
PACKAGES  
INCLUDING AIRFARE  
FROM WEST COAST

**AUSTRALIA** FROM  
**LEARN TO DIVE** \$1395  
GREAT BARRIER REEF 9 DIVES

**WATER SPORT** \$1395  
GREAT BARRIER REEF 7 DIVES

**SUPER SPORT** \$1508  
GREAT BARRIER REEF 10 DIVES

**SPOIL SPORT** \$2242  
CORAL SEA 22 DIVES

**THAILAND**  
ANDAMAN EXPLORER \$2200  
8 NIGHTS

**RED SEA** \$2550  
MANTA RAY 8 NIGHTS

**INDONESIA** \$3250  
CEHILI 9 NIGHTS

AND  
**WHALE SHARKS!**  
WESTERN AUSTRALIA  
WITH AIRFARE \$4520

**800-443-0799**

YOUR DIVE VACATION IS  
OUR BUSINESS!



**ADVENTURE EXPRESS**  
TRAVEL

**415-442-0799**  
**FAX 415-442-0289**



HEAD TO HEAD REVIEW

# BOOSTING YOUR BRAIN POWER

Computers have always given me headaches. First it was Pong, that ping pong video game that seemed like an exercise in futility. In college it was a program called Fortran that really turned me against computers. If a single comma, period or colon was omitted the entire program failed to run. In fact, as I think back, it was probably the frustration of Fortran that directed me toward the Caribbean where I could escape the high-tech world and enjoy the simplicity of scuba's mechanical world.

But, before my fins even got wet, I ran into two divers flaunting the sport's newest toy—diving computers. Although these divers argued that the electronic brain was the wave of the future, some of us remembered an earlier decompression meter which earned the nickname Bend-O-Matic. With help from others on the dive, we voted not to allow computer diving on our boat. It made us proud to shoulder the responsibility of protecting two disillusioned divers from bending themselves and ruining "our" vacations.

These days, I get along with computers a lot better. I carry one of those laptops just about everywhere I go. And, every time I step into the water there's one dive computer strapped next to my pressure gauge, one in the pocket of my BC and one more in my gear bag.

So have I come to realize the usefulness of dive computers? You bet. Do I

understand how they analyze the absorption rate of different "theoretical" tissue groups at various depths? Yes, multi-level diving (spending only a fraction of the dive at the greatest depth and swimming progressively shallower throughout the dive) can be illustrated and even performed (but not as conservatively as dive computers) on simple laminated plastic dive tables. Have I entrusted my butt to their nitrogen Pong game of excited electrons racing through a maze of circuit boards? Not totally.

I am a mechanical sprocket-turning-a-shaft kind of diver. I use two computers at once as insurance against Murphy's Law, "What can go wrong will go wrong." Or in diver's speak, "Salt water and electronics!" The bottom line for me as a professional underwater photographer is to safely maximize my dive time on each repetitive dive.

Today, many instructors are introducing dive computers to students on the first day of pool work. These instruments have become a standard piece



By Franklin Viola

of diving equipment for many of us who work and play beneath the ocean. Some even argue dive tables may some day be abandoned and that no one should venture beneath the seas without a diving computer (see article page 72).

Yet, simply buying an electronic instrument to keep track of your up-and-down dive profiles does not relieve you from using your "human" computer. The data translated by dive computers was conceived to assist "intelligent beings" to safely enjoy more dive time. While a certain margin of safety is built into most computers, the dive computers assume they are used by divers who exercise regularly, eat a balanced diet, are not grossly overweight, get plenty of rest and do not support the tobacco/alcohol industry. In addition, computer profiles believe divers consume plenty of water before and after each dive to prevent a major cause of decompression sickness—dehydration. Their non-emotional circuit boards do not provide allowance for stress created by delayed plane flights, lost luggage or rough sea conditions.

The recent advances in diving computers has brought the sport further into the 21st century than any other piece of scuba equipment excluding the demand-regulator. Yet, the sheer number of choices has made finding the right computer for your diving patterns difficult.


The key is understanding how the computer you buy works. It's also critical to know that different computers calculate information in a variety of ways. For example, one computer may use an ascent rate of 33 feet while your buddy's computer uses 60 feet. Knowing your computer and using only that data will help to keep you out of trouble.

In order to help you choose the right computer for your diving, we've compiled this comprehensive computer chart (pgs 48-49). So take the comparison chart into your local dive shop and apply your own Ross Perot analysis (touch it, taste it, smell it, squeeze it) to determine which dive computer best fits your diving needs. Whether your decision is based on a particular mathematical model for calculating repetitive dives or simply that its hose mounting boot also comes in pink (all three of mine do), be sure to activate your internal "hard-drive" as a back-up! ■

*Franklin Viola is equipment editor and a photo expedition leader for Scuba Times Magazine.*

*Thanks to Brenda Tillman of Sea Sports in Roswell, GA, for her invaluable assistance and to the manufacturers who supplied information about computers.*

## The Ultimate Electronic Dive Log & Trip Journal



System Requirements:  
DOS 3.1 or higher,  
Hard Disk:  
640K RAM.  
(Manual on disk)

Still Just \$39.95+  
(1.5 upgrade \$19.95)

## PC DIVE BUDDY® 1.6

- |   |   |
|---|---|
| NEW! Mouse Support  | NEW! Graphic Dive Profile                           |
| NEW! Improved Memory Mgmt & Speed                                 | NEW! Reports & Summaries of Dives by Type           |
| Destination Summary w/ Expense Totals                             | Unlimited # of dives or divers                      |
| Complete Expense Table w/ Categories & foreign currency converter | Enter or View Logs by Diver, Trip or Dive.          |
| Business Directory for Records & Planning                         | Equipment, Maintenance & Diver Training Forms       |
| Personal Directory of Divers & key persons                        | Auto-Calculation of Bottom Times, Totals, SAC rate. |
| Full 'hard-copy' report capabilities                              | And much More!                                      |

If your Local Dive Shop doesn't carry PC DIVE BUDDY, call us at (800) 892-4268. Most orders shipped UPS within 24 hours. (Dealer Inquiries Welcome)

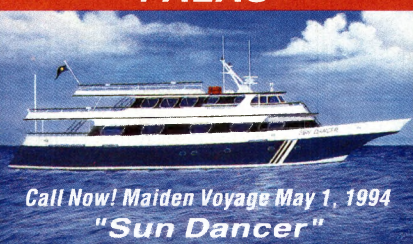
PC DIVE BUDDY is a copyright of R&R DataQuest 1991-93

## You Asked For More In '94...

### TURKS & CAICOS



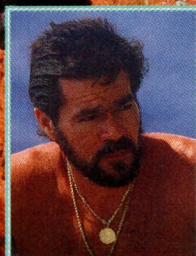
### PALAU



### BELIZE



## ...You Got It!



## 1-800-9-DANCER

*Peter Hughes Diving*  
INC.

1390 S. Dixie Hwy., Ste. 2213 Coral Gables, FL 33146  
1-800-932-6237 or 305-669-9391 • Fax (305)-669-9475

"Sun Dancer": Artist rendition by S. DeVore

# CHARTING COMPUTERS

		BEUCHAT USA		DACOR CORP		DIVE RITE	OCEAN EDGE	OCEANIC	
		ALADIN PRO	ALADIN SPORT	OMNI	OMNI PRO	THE BRIDGE	COMPU TEK II	DATAMAX SPORT	DATAMAX PRO
GENERAL FEATURES	Decompression Model Used <sup>1</sup>	B	B	RP data	RP data	B	H2	RP data	RP data
	# of Tissue Compartments <sup>2</sup>	6	6	12	12	9	8	12	12
	Method of Activation (Manual/Automatic)	A/M	A/M	M	M	A / M	M	M	M
	Mounting Method (Wrist/Hose/Console)	W/H/C	W/H/C	W/H/C	C	W	H	W/H/C	C
	Air Integrated / Pressure Gauge	no	no	no	yes	no	yes	no	yes
	Compensates For Altitude	yes	yes	yes	yes	yes	yes	yes	yes
	Battery Life	5 years	5 years	100+ dives	100+ dives	2+ years	2000 hrs	100+ dives	100+ dives
	Battery Changing: Owner?Shop?Mfr?	shop/Mfr	shop/mfr	owner	owner	mfr	owner	owner	owner
	Battery Cost	\$30	\$30	\$3	\$4 - \$6	NA	\$6	\$4 - \$6	\$4 - \$6
	Nitrox Compatible	no	no	no	no	yes	no	no	no
	Interfaces w/Personal Computer	no	no	no	no	yes	no	no	no
	Recommended Ascent Rate	33'/min	33'/min	variable	variable	30 ft/min	30 ft/min	variable	variable
AFTER DIVE DISPLAY	Maximum Depth / Depth Rating	330 feet	330 feet	249 feet	249 feet	300 feet	249 feet	249 feet	249 feet
	Do Not Fly Time	yes	yes	yes	yes	no	no	yes	yes
	Surface Interval Time	yes	yes	yes	yes	yes	yes	yes	yes
	Dive Planning Mode / Scrolling <sup>3</sup>	yes	yes	yes	yes	yes	yes	yes	yes
DURING DIVE DISPLAY	Ascending Too Fast Warning <sup>4</sup>	A / V	Visual	Visual	Visual	A / V	Visual	Visual	A / V
	Ascend for Decompression Warning <sup>5</sup>	A / V	Visual	Visual	Visual	A / V	Visual	Visual	A / V
	Bottom Time	yes	yes	yes	yes	yes	yes	yes	yes
	Current Depth	yes	yes	yes	yes	yes	yes	yes	yes
	Decompression Instructions	yes	yes	yes	yes	yes	yes	yes	yes
	Low Battery Indicator	yes	yes	yes	yes	yes	yes	yes	yes
	Maximum Depth	yes	yes	yes	yes	yes	yes	yes	yes
	Tank P.S.I.	no	no	no	yes	no	yes	no	yes
	Water Temperature	no	no	yes	yes	yes	yes	yes	yes
	# of Dives stored	9	9	9	9	6	9	9	9
\$	Suggested Price (based on wrist unit)	\$599	\$399	\$625	\$795	\$895	\$730	\$385	\$699

This Chart was filled out by the respective manufacturers. It details the management of nitrogen absorption by the individual diving computers. Included are the features (or lack of them) which may make one computer more suitable to your style of diving than another. This is not *Consumer Reports*! Keep your eyes open, your hands firmly on your wallet, feet in your fins and test dive the model which most interests you before buying it.

## LEGEND

MH	MODIFIED HALDANIAN
B	BUHLMANN
MB	MODIFIED BUHLMANN
HN	HAHN
H2	HALDANE/HAHN
RP-d	Based on ROGERS/POWELL data
CS	COMING SOON
W/H/C	WRIST/HOSE/CONSOLE

**1. Decompression Model Used**—all bottom times, whether calculated using tables or computers, are based on tests by various scientists. The work of J. S. Haldane in England in 1908 is credited as the beginning of decompression theory and was used to create the U.S. Navy tables. Today's "decompression models" used to program computers are generally modified forms of Haldane's theories which have been updated from other testing.

**2. # of Tissue Compartments**—when programming computers, scientists calculate the rate nitrogen is absorbed

ORCA		PARKWAY	SCUBA PRO	SEA QUEST		SHERWOOD		U.S. DIVERS		
PHOENIX	MARATHON	8027 WRIST MOUNT	DC-11	SOLUTION	COMPANION	SENTRY	SOURCE	MONITOR 1	MONITOR 2	SCAN 4
MH	MH	B	Hn	MH	MH	MH	RP data	MB	MB	RP data
12	12	6	6	9	8	12	12	6	6	12
A	M	A	A	A	A	M/A	M	A	A	M
H	W/H/C	W/H/C	W/C	W/H/C	W/H/C	W/H	W/H/C	H	H/C	C
yes	no	no	no	no	no	yes	no	no	no	yes
yes	no	yes	yes	yes	yes	yes	yes	yes	yes	yes
500+ hours	7,000+ hrs	300 dives	2000+ hrs	~200 dives	~500 dives	220 hrs	100+ dives	3 - 5 yrs	3 - 5 yrs	100+ dives
owner	owner	shop	mfr	shop/mfr	shop/mfr	owner	owner	shop/mfr	shop/mfr	owner
\$12	\$20	\$60	\$75	\$30	\$40	\$6 - \$10	\$4 - \$6	\$45	\$45	\$4 - \$6
no *	no	no	no	no	no	no	no	no	no	no
yes	no	no	no	yes	no	optional	no cs	no	no	no
variable	variable	33 ft/min	variable	33 ft/min	33 ft/min	variable	variable	33 ft/min	33 ft/min	variable
300 feet	200 feet	330 feet	302 feet	325 feet	295 feet	250 feet	249 feet	330 feet	330 feet	249 feet
yes	yes	yes	yes	yes	no	yes	yes	yes	yes	yes
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
A / V	Visual	A / V	Visual	Visual	Visual	A / V	Visual	Visual	A / V	A / V
Visual	Visual	A / V	Visual	Visual	Visual	A / V	no	Visual	A / V	A / V
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
yes	yes	yes	yes	yes	limited	yes	yes	yes	yes	yes
yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes
no	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
yes	no	no	no	no	no	yes	no	no	no	yes
yes	no	yes	yes	yes	yes	yes	yes	no	no	no
3+	1	9	3+	8 hours	5	144	9	9	9	9
\$700	\$300	\$638	\$420	\$560	\$360	\$850	\$430	\$470	\$670	\$720

## LEGEND

and released in the body based on theoretical tissues. The human body doesn't actually have 6, 9, or 12 tissue compartments, like we have two eyes or ten fingers. However, scientists assign number to tissue compartments in order to divide them into "fast" or "slow" tissues. Fast tissues absorb and release nitrogen faster (with greater depth) and vice versa with slow tissues (with shallow depths). This is key data for a computer to calculate a multilevel computer profile.

**3. Dive Planning Mode/Scrolling**—during surface interval,

computers scroll through the amount of time divers can spend at certain depths. Most scrolling begins at 30 feet and scrolls at 10-foot intervals to 130 or 150 feet.

**4. Ascending Too Fast Warning**—if a diver ascends faster than the Recommended Ascent Rate most computers warn the diver to slow down either by an audible beep or flashing light.

**5. Decompression Warning**—if a diver exceeds the no-decompression limits of the computer, an audible or visual

warning will instruct the diver to ascend.

**6. Decompression Instructions**—after giving a decompression warning, the computer will display instructions for making it safely back to the surface, by giving a "ceiling" depth and time limits at that depth.

\* Orca offers a separate Phoenix computer which is specifically made for Nitrox-1 diving. However, the standard Phoenix should never be used with nitrox.

# INCOMPARABLE!



**Dive  
Micronesia's  
Truk Lagoon  
and the  
S.S. Thorfinn,  
and discover  
the world's  
finest coral,  
wrecks, and  
dive cruising.**

The *S.S. Thorfinn* guarantees exciting service and satisfaction in Micronesia on coral reef gardens and ghostly war treasures.

We offer the maximum in convenience and comforts in diving, dining and onboard living. The Pacific's largest and steadiest dive cruiser — with only 26 divers — provides more personal space and comfort than any other afloat.

The *S.S. Thorfinn* offers uncrowded, seven persons dives with expert local guides to five different dive sites daily.



Contact your dive travel professional, travel agent, or **Seaward Holidays Micronesia** operators of the *S.S. Thorfinn*



P.O. Box DX  
Truk, FSM 96942  
Phone/FAX  
(691) 330-4253  
Ship Phone  
(691) 330-4302



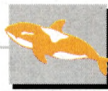
*Truk Lagoon Wrecks — over 60 spellbinding ships, and endless aircraft.*

FATHOMS  
FRAMED



*Lean, mean, cunning, ruthless  
and sleek, great white sharks are  
kings of the sea. Marty  
Snyderman caught this monster  
from the protection of a cage in  
southern Australia.*

A FORUM FOR UNDERWATER  
VIDEO/PHOTOGRAPHY



IN THE WILD

# SHARK EXPEDITIONS:

## WHERE DIVERS GO TO SWIM WITH SHARKS



hark! The stuff of legend, myth, and sea lore. Sharks are many people's worst nightmare. But for some divers, the thought of observing and filming sharks from close range is an irresistible attraction.

It is one thing to be awed by sharks in an aquarium or on television and quite another to gain appreciation from personal encounters in the wild.

Years ago shark diving was left to the experts. Today,

part in determining how the various trips are run. Clearly there are more shark diving expeditions than can possibly be covered in the space allotted for this piece, so I am simply going to share my thoughts concerning some of the trips with which I have personal experience.

### Blue Sharks and Mako Sharks: Southern California

I'll never forget the first time I went diving specifically to see a shark. It was almost 20 years ago, and that day greatly altered my diving career. I was diving with Howard Hall and Larry Cochrane, a couple of friends whose level of shark expertise was, like mine, founded more in enthusiasm than experience. We built our own cage, bought some bait and headed out to sea, hoping to attract blue sharks, the most common of the open ocean sharks in southern California.

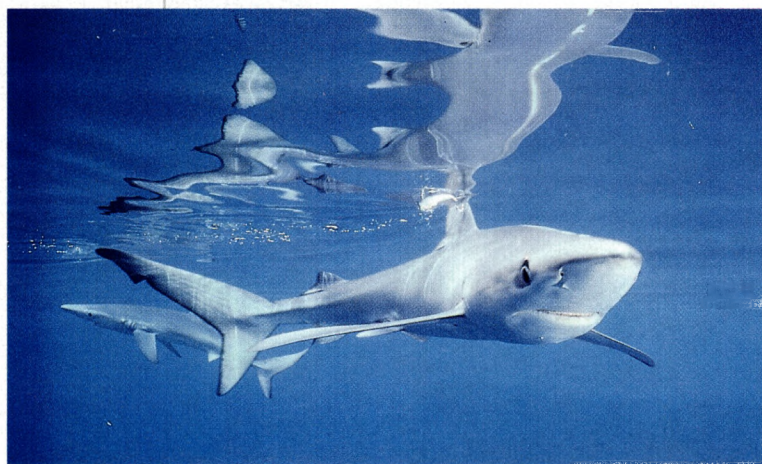
On the first dive I drew the short straw and had to wait on the boat while one blue shark slowly circled the cage. Finally it was my turn, and as I suited up, more and more sharks began to show up. There were at least eight missile shaped silhouettes excitedly cruising around the boat. I had a knot in the pit of my stomach as I jumped into the water and made my way to the shark cage, but I felt so alive and involved.

An aspect of blue shark expeditions that sets these adventures apart from others is that the diving takes place in the open sea, often completely out of sight of land, in a cage suspended behind a boat. Despite the fact that blue sharks are oceanic nomads, they are not deep water animals. Blues spend the vast majority of their lives in the top several hundred feet of water. With some luck and a bit of bait, blue sharks can be brought right to the surface.

Several operators run blue shark trips, and the divers remain inside of a shark cage during the dive. The dive masters often swim outside as they bait the sharks up to the cage for the excitement of the divers inside. Once baited, blue sharks show little fear and readily approach a cage full of divers.

Bob Cranston, the owner of San Diego Shark Diving Expeditions, utilizes a stainless steel sharksuit as part of his show. The suit allows Bob to devote all of his attention to the safety of his clientele as he escorts them to and from the cage, and it is always a highlight of everyone else's day to see a big blue chomp down on Bob as he demonstrates the suit's effectiveness.

For most divers the excitement intensifies considerably if a mako shark shows up, not an uncommon occurrence. In many respects mako sharks are everything that blue sharks are not. Makos have stocky bodies, a distinctly pointed snout, and rows of



however, things are far different. Adventurous sport divers are joining shark diving expeditions all over the world to enjoy encounters that are up close and personal. And doing so is easier than you might suspect.

A variety of factors such as the species of sharks being pursued, the trip length, the location, the costs involved, and whether the divers remain inside of a protective shark cage or swim with the sharks, all play a

BY MARTY  
SNYDERMAN

exposed, razor sharp teeth that appear to be so large that they don't fit into the shark's mouth.

If you just want to photograph the sharks, with no divers in your shot, try the 20mm or the 28mm lens, and if you want a shot of Bob demonstrating the shark suit, use a 15mm. The advantage of a 28mm lens is that the sharks are likely to fill your photographic frame, but the narrow depth-of-field can prove to be a problem. Despite the fact that the cages usually drift only 10 to 15 feet below the surface, a strobe will help make the sharks stand out against the blue water background.

### **Great White Sharks: South Australia**

Though not every diver's cup of tea, for some a dive with a great white shark is viewed as diving's ultimate thrill. Most sport divers who want to have a chance to see a great white in the wild travel to the temperate seas of South Australia.

If you choose to join a white shark expedition, it is wise to bring along a very positive attitude and a lot of patience. No matter what the trip costs (some are in the \$10,000 range), there are still no guarantees of an encounter. Careful here, don't misinterpret my comment. Of all the dive expedition leaders I have ever joined, Rodney Fox, who was attacked by a great white and lived to tell about it, has an excellent track record (sharks on all but one trip in more than 15 years).

Sometimes I have seen sharks from day one, and on other trips I have had to sit and bait and let nature take its course. But what a sight it is when you finally hit pay dirt! Large and obviously powerful, white sharks are magnificent creatures. They have an aura about them that says "This is my ocean."

On my first great white shark dive, I was working as a cameraman on a Wild Kingdom film, and while I was hired to film the sharks in action, during my first few minutes in the cage all I could do was watch.

I vividly remember looking through my viewfinder and

watching the shark move in on the bait with mouth agape, jaws protruding, and rows of two inch long, razor sharp teeth fully exposed. Few scenes in all of nature are as dramatic.

While most still photographers seek the toothy shots, there is another, far different, set of images to

photographer in you demands that you move ahead to get a little closer to the school. You swim forward and only moments after you exhale, the entire school disappears into the distance. Suddenly there are no sharks in sight, and you are left to wonder if the scene was real or imagined.



capture. White sharks are stunning animals, creatures that can look as handsome as they are big and powerful. Photographers normally want the sun at their back, but photographing white sharks while shooting directly into the sun in either early morning or late afternoon light can yield some extremely powerful images as shimmering shafts of sunlight add considerable impact to the scene.

### **Hammerhead Sharks: Coco Island**

Imagine looking up and seeing the water above you completely filled with the silhouetted shapes of big scalloped hammerhead sharks. There are dozens upon dozens of sharks, far more than you can count. Your knees get a little weak, and your heart begins to race. You have not baited the sharks, but you are not in a shark cage either. The sharks just showed up as you rounded the point and headed into the current.

Despite a natural temptation to make deals with the devil so you can surface safely, the

Schools of scalloped hammerheads are commonly encountered in the waters surrounding the Galapagos Islands, in Mexico's Sea of Cortez, and in a number of areas in the South Pacific, but the majority of my most memorable hammerhead dives have been at Coco Island, Costa Rica. Once at Coco I swam under a school that I estimated to have as many as 600 scalloped hammerheads. Most were 7 to 10 feet long. Chills of excitement shot up and down my spine. I got several nice photographs on that dive, but none even came close to capturing the power of the scene.

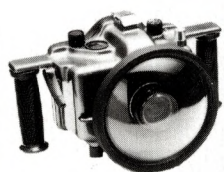
Photographing scalloped hammerheads is quite a challenge. These sharks do not readily come to bait, and they tend to spook rather easily at the sound of scuba exhaust bubbles. In my experience, the best method for getting close to these hammerheads is to find an area where the sharks are being seen, and hide in the rocks at the most exposed and current swept portion of the reef. Be patient, and wait for the sharks to come to you.

*Left: Sleek and beautiful, this blue shark cruises the surface of offshore California.*

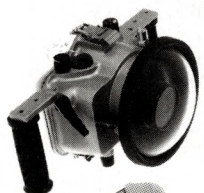
*Above: No shark is as feared and aggressive at the great white. With the protective shield of the cage, Snyderman catches this white grabbing some fast food and a side order of rope to go.*

# Cameras & Flash by Nikon! Housings by Tussey!

**This compact and versatile combination will give you the best shot at prize winning underwater photography**



**New N90 Aluminum Housing** gives programmable exposure and uses autofocus macro to zoom lenses. Full camera control. Has water detector and interior lighting.



**N8008s Aluminum Housing** provides full camera control. Uses autofocus, macro and zoom lenses. Includes water detector and interior lighting.



**Tussey Strobe Arm** is extremely light, strong and allows universal positioning of strobe underwater. Adapters are available for any model strobe.



**New SB24/SB25 Aluminum Strobe Housing** allows the best topside flashes to go underwater. All controls and water detector. Trigger pressure zaps laser-like spot momentarily, showing where strobe will hit.

## TUSSEY

underwater systems

*Designed, Built, and Serviced  
in the U.S.A. by Underwater  
Photographers*

For more information or to order  
call or write us

4878 Cass St., San Diego, CA 92109  
(619) 551-2600 • FAX (619) 551-8778



When you see the school moving toward the reef, be still, hold your breath, and do not ascend. There will probably be a great temptation to swim toward the sharks, but odds are if you do swim toward them, you will exhale and scare the entire school away within seconds. While my wide angle film of choice is Kodachrome 64, the diving at Coco is often 60 to 100 feet deep, and if it is overcast I sometimes find that I prefer to use some Fuji 100 or Ektachrome 100.

If you are really fortunate, the hammerheads will swarm the reef and swim around you despite the noise from your bubbles. It doesn't happen often, but it does happen. Often when the sharks come to the reef, they visit cleaning stations operated by king angelfish. If you keep a sharp eye, you might have a good chance to get close enough to a shark that is being cleaned to light the scene with a strobe.

A number of other species of sharks are also commonly seen at Coco. These include whitetip reef sharks, silky sharks, silvertips, and whale sharks. During the day whitetips that are resting on the sea floor are often easy to approach, and I have found it possible to take full face shots of these animals with my Nikonos RS system while using a 50mm lens. Facial shots of sharks are not easy to catch, and this opportunity is not one that avid photographers should underestimate.

### Whale Sharks

Attaining proportions of more than 40 feet in length and weighing between 30,000 and 50,000 pounds, whale sharks are the largest fish in the world. One time when I was filming a whale shark in Mexico's Sea of Cortez, I spent the last 10 minutes of my dive on one side of the animal while two friends were on the other. By sheer coincidence we surfaced at the same time, and I noticed a look of surprise on the faces of my friends. On the boat I asked them why they were surprised, and they were

*Feeding Caribbean reef sharks is growing in popularity in the Bahamas. By Marty Snyderman.*

quick to respond that they thought I had run low on air and surfaced 10 minutes earlier. That should give you some idea of just how large 40 feet and 40,000 pounds is. We were swimming next to the same animal for 10 minutes, but my friends could not even see me or my exhaust bubbles.

The most predictable whale shark diving occurs in Western Australia during the coral spawns that occur during fall in the southern hemisphere, but encounters at Coco and in the nearby Galapagos Islands are also commonly reported. In recent years sport divers from all over the world have been joining expeditions that enable them to free dive with the whale sharks of Western Australia.

### Caribbean Reef Sharks and Silky Sharks: Nassau, Bahamas

Throughout the international diving community, the waters of the Bahamas are reputed to be warm, clear, and filled with wonderful colors, but the region is also said to be lacking when it comes to the opportunity to dive with big animals. It is obvious to me that the divers who made that assessment never dived with Stuart Cove in Nassau, Bahamas on one of his shark dives. Stuart and company offer three different shark experiences, and all are of the knock your socks off variety.

Approximately seven minutes from the dock is a site called The Runway, a place where Stuart and his divemasters bait in a dozen or so Caribbean reef sharks. These sharks are usually quite aggressive, and getting them excited usually takes only a few minutes. No cage is used so the divemaster carefully organizes the divers on

the bottom around the bait, and as soon as the sharks appear the show begins. Upon request, the divemaster will place bait on the end of a pole spear and bring the sharks in close for some fast action and dramatic photo opportunities.

If you are going to take pictures of the sharks, a 20mm lens is a good choice, and if you want to shoot images of the divemasters feeding the sharks, or the sharks swimming among the other divers, then a 15mm lens is probably better suited for that task.

Another Caribbean reef shark dive can be enjoyed at a site known as The Wall. There Stuart and his gang regularly bait in large gatherings of female Caribbean reef sharks as well as an occasional hammerhead and nurse shark. While normally less aggressive than males, the females are a bit larger, and their slower pace gives photographers some extra time to think before tripping the shutter.

Once again, the dive leader will feed the sharks if asked to do so, but Stuart and his operations manager Michele Berlanda have found that in recent years more and more divers seem to be less interested in creating a feeding frenzy, and more interested in observing the sharks in their natural environment. These dives are some of shark diving's best kept secrets.

The third Nassau shark experience takes place in deep water, at the A.U.T.E.C. buoy, a little over an hour away from Stuart's dock. The naval buoy is located in an area where the waters of the Atlantic and Caribbean meet, a site known as Tongue of the Ocean.

On our buoy dives Tom Campbell and I were greeted by a half dozen or so silky sharks. Though silkies commonly get to be seven to nine feet long, most of the sharks we saw were a bit smaller. Silkies are beautiful sharks, and photo opportunities abound when you get pretty animals, crystal clear water, sunny days, and free swimming divers. No cage is used, but the divemasters do carry a little bait to keep the silkies in the neighborhood. If you want to get some great photos, all you have to do is position yourself close to the divemasters and bring a loaded camera.

I wouldn't be telling the truth if I said I had never been frightened, uncertain, or anxious in the presence of sharks, but in the end I have always been grateful for my experiences. I hope you get a chance to join a shark diving expedition before too long, and that you, too, will feel as lucky and alive as I do when you see sharks in the wild. 🐡

*Based in San Diego, Marty Snyderman is one of the world's foremost shark photographers and a contributing editor to Scuba Times Magazine.*



*...Not Your Typical  
Tropical Vacation!*



**CORAL BAY CRUISES**

17 Fort Royal Isle • Fort Lauderdale, Florida 33308

To the far reaches of the Bahama Out Islands - natural, pristine, by-passed by mass tourism - that's where the beautiful expedition yacht *Coral Star* takes you to explore above and below the incredibly iridescent waters.

Encounter *Humpback Whales* on the Silverbanks . . . Swim and play with *Wild Dolphins* on the Little Bahama Bank . . . Dive the phenomenal walls and reefs of *Conception Island, Rum Cay* and *San Salvador*.

All-inclusive rate (except bar) for discriminating adventurers still \$1,395-per person, per week. Private charters are tailored to suit - from itinerary and activities to cuisine and bar. Scuba Diving, snorkeling, windsurfing, sailfish sailing, beachcombing included.

**(800) 433-7262 • (305) 563-1711**  
Fax **(305) 563-1811**

## ON LAND BY SEA OR 600 FEET DEEP...PELICAN'S POWERFUL XENON LASER SPOT™ BEAM SHOWS YOU THE WAY

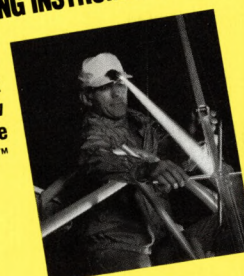
MADE IN  
THE USA

THE WORLD'S MOST TECHNICALLY ADVANCED LIGHTING INSTRUMENTS

**THE IDEAL PRE-DIVE LITE**  
Keep both hands free to check, assemble or pack your gear or work on your boat no matter how dark it is. Clip or attaches to virtually any surface ...caps, helmets, pockets, belts, straps. **INSTA™** focus **XENON Laser Spot™** Beam.

**VersaLite™**

The world's brightest swivel head  
Multi use pocket lite.



**COMPACT POWERFUL**  
A compact (fits easily into your hand or equipment), powerful lite (**XENON LASER SPOT™** BEAM penetrates water and fog). The one handed safety switch and lanyard make this an extremely functional piece of equipment.

**StealthLite™**

Powerful professional quality flashlight



**THE ONLY SUBMERSIBLE DUAL  
SYSTEM SPOTLITE IN THE WORLD**

Two individual lites in one unbreakable case. Each circuit offers an amazing 60,000 candle power for 11-12 hours (total 22-24 hours) of continuous light. You'll always have immediate backup lite below or above the water by simply turning the switch. Never get caught in the dark.

**MULTIPLE HANDLE POSITIONS**



**DualSix™** Special Performance Spotlite  
Call or write for information

**PELICAN  
PRODUCTS INC.**

LEISURE PRODUCTS DIVISION  
2255 Jefferson St.  
Torrance, CA 90501  
(310) 328-9910  
Fax (310) 533-8160

Unconditional  
Lifetime  
Guarantee  
of Excellence



Photo/Dan Auber



# DIGITAL DARKROOM

## PART 4

### ETHICS AND LEGALITIES IN PHOTO MANIPULATION

W

hat if you have an incredible photo of a dolphin jumping and you send it to a magazine for publication. Then the art director calls you with good news—she wants to publish it. However, there's one catch. She wants to digitally combine your dolphin photo with a shot of a sunset which was taken by another photographer. If you go for the idea, then you may be creating a dilemma that many professional photographers are beginning to face. Who will own the new photo? The art director who had the original idea and created it in the computer? The publication that employs the art director? Or do the two photographers split ownership 50/50?

*Below: Fish in space. Spock and Kirk never told us about that. Photo manipulation of today is only limited to one's imagination. By David Rickerd.*



In the last three parts of this series we looked at the what the digital revolution in photography was all about (*Scuba Times*, September/October 1993), the equipment that makes up the digital darkroom (*Scuba Times*,

November/December 1993) and the capabilities of the software that make the digital darkroom work (*Scuba Times*, January/February 1994). In this final article of the series we will look at some of the controversies and potential problems the digital revolution has brought to the world of photography.

#### Circulation woes

The photo CD-ROM is a remarkable device. It is capable of storing at least 100 high quality photographs on one disk for as little as two dollars per image. These photographs can be digitally removed from the CD and turned back into a transparency or print that is as good as the original. Since the information is digital, each photo CD can also be duplicated, in its entirety, an infinite number of times, without loss of quality. With a technology as potent as this, how do photographers protect their creative rights?

In the past, we simply held on to the original photo and made a few high quality dupes whose circulation could be controlled. Prints and publication were made from the controlled original. However, as stock agencies and publishers start requesting photos in the CD format more and more photographs will wind up on them. Once a CD is in circulation it is difficult to



control the fate of the images.

Vast numbers of images can be easily transported or stored. A digitized image can even be sent from computer to computer via telephone with little to no loss of quality. Images can easily be sent outside the country beyond the reach of copyright protection. While this is a real problem, it is just the tip of the iceberg. The vast capabilities of the digital darkroom create a whole other realm of dilemmas.

Given the right equipment and some practice, it is relatively easy to take an image from a photo CD and modify or enhance it in the digital darkroom. While this means the salvation of many photographs that might have wound up in the trash or forever stuck in a box, it also creates some new ethical questions. If I enhance or manipulate a photograph at what point am I ethically responsible to divulge that the original image has been changed? It is

BY SCOTT FRIER

true that photographers have enhanced photographs for years by retouching, air brushing, spotting or using a variety of other techniques and little was said. However, this was only done on a relatively small scale.

The ease and vast potential for undetectable digital change to a photograph has shed a whole new light on this problem. How much change constitutes a change that needs mentioning? Does it count if I simply take a little backscatter out of a photograph? If I rearrange the composition of a photography but keep the content the same, have I created a new image that needs to be mentioned as such? Does it need to be mentioned at all? Is the new image an original, as well, since technically it is different from the first? Again, copyright



*Left: This original photo was okay, but it needed a little spice. Above: An educated eye can tell this photo was doctored on a home computer. However, with more time, images can be combined flawlessly. Photos by Ann and Carl Purcell.*

protection becomes a problem. If an image is taken off a CD how much change must be made before the image is no longer protected by copyright? How can I protect my images from being pirated and changed to the point where I lose control of them?

#### Art or piracy?

In the digital darkroom two or more photographs can be seamlessly combined to create a whole new image. This ability creates additional dilemmas. First, we are back to the protection of image ownership. If a part of one of my photographs winds up as part of another how can I keep track of this? How can I prove it? The ability to digitally combine images is fraught with dilemmas beyond just the protection of copyrights. For

INTRODUCING THE NEW COMPACT

## SPORTS CAPSULE

from **AMPHIBICO INC.**

An underwater video housing for SONY® TR-200 and TR-400 Hi-8 series cameras with a compact, light-weight design.



- 4½ pounds (with camera)
- Pressure tested to 330 feet
- Push button fingertip operation
- External amphibious microphone
- Main double o-ring seals
- Electronic moisture sensor
- Precision lens options available
- Shock absorbing camera cradle

#### AMPHIBICO INC.

9563 Cote De Liesse • Dorval Quebec Canada H9P 1A3  
Tel. (514) 636-9910 • Fax (514) 636-8704

*Housings & lights available for other 8mm SONY® cameras*

OCEAN  
TECHNOLOGY  
SYSTEMS

## BUDDYPHONE®



Ocean Technology Systems is proud to announce **BUDDYPHONE®** to its existing state-of-the-art underwater communication product line.

**BUDDYPHONE®** is virtually the smallest Single Sideband (SSB) transceiver designed specifically for the sport diver. This small, compact system allows clear underwater communications diver-to-diver and/or diver-to-surface (optional surface unit available). It comes standard with a specially designed mouth mask, custom head harness with holster and is powered by a 9-volt battery ensuring hours of enjoyment. Best of all, the price will blow you away!

For more information, please contact your local Ocean Technology Systems dealer or OTS direct:  
2950 Airway Avenue (D-3) • Costa Mesa, CA 92626  
**(714) 754-7848 • Fax (714) 966-1639**



# PACIFIC COAST ADVENTURES

**Cabo  
Cozumel  
Belize, Fiji  
and more!**

**We've done the  
legwork, so you  
can experience the  
adventure.**

**Book with us for 1st-class, worry-  
free fun under the sea and sun.**

**Dive and travel with Pacific Coast Adventures**

**Let us package your vacation for the  
lowest prices under the sea.**

**We are American-owned  
and operated with  
certified guides  
and instructors.**

**PADI + NAUI  
accredited.**

**800-491-3483**

## Dive With Friends.



**Grand Cayman, B.W.I.**

**Exclusively for Guests of**



- Daily Trips to the North Wall and Stingray City
- Brand New Custom Dive Boat Just Yards Away
- Personalized Attention on an Uncrowded Boat
- Deluxe All - Suite Accommodations with Individual Dive Lockers

**SPECIAL  
INTRODUCTORY  
RATES!**

**Call 1 (800) 654-3130**

Fax: (809) 947-5024, or Write: P.O. Box 2070, Grand Cayman, BWI

example, what is the new image? Is it still a photograph or is it now considered an illustration? At what point does the photograph turn into an illustration?

This brings us to a whole new point of controversy. Is an image that has been enhanced or generated by the combination of images still considered the art of photography or is it such a manipulation of reality that it now belongs in a class by itself? I would argue that the image is still part of the art of photography regardless of the degree of computer manipulation. We often manipulate reality when we work with light, lens or many of the other creative tools accepted in mainstream photography. The great artist/photographer Ansel Adams spent many hours manipulating his photographs in the traditional darkroom and we consider them works of fine art. The digital darkroom is just the next step in the growth of photography. When challenged as to the artistic value of his new school of impressionist painting the 19th century artist Claude Monet replied, "Techniques change but art remains the same."

You have probably noticed that many of the questions I brought up in this article are unanswered. The reason for this is simple—at this time there are no set answers but in time there will be, there must be. However, if you're using or thinking of using digital techniques, perhaps you should consider setting your own guidelines in dealing with various forms of publication. For example, if you work with a magazine regularly, you may decide to give them carte blanche with your photos. On the other hand you may want to have approval rights to any changes, even if the art director is "enhancing" the color. The point is, right now there are no rules, so photographers are making their own.

If you're not a professional photographer and just using CD-ROM as a storage technique, you should be careful about loaning your CDs to others. It would be very easy for someone to "lift" one of your images onto another computer. You may be surprised one day, when you see one or part of one of your photographs in print with no compensation for you.

I was recently at a photographic trade show where there were various seminars on digital imaging. Near the end of the show I noticed a good number of people walking around with pins that said: "NO CD-ROM." It is easy to wear a pin and hope a problem will go away but history has taught us that this just isn't so. Technology constantly moves forward and carries its attendant problems along. Like the technology that spawned them they will not go away. The digital revolution is here to stay. ■

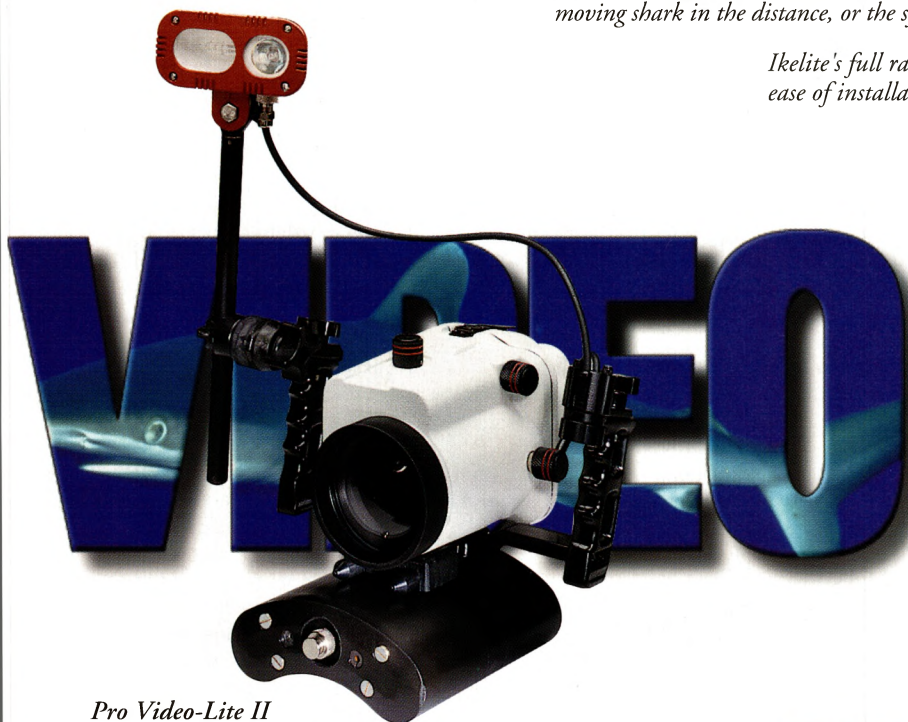
*Scott Frier is a technical representative for Nikon and a contributing editor for Scuba Times Magazine.*

# SEE YOUR SHOTS COME TO LIFE ON.....

# VIDEO

*While still photography shows us the beautifully vivid colors and wondrous creatures of the sea, the video camera captures the added dimensions of time and motion. Video can display the unbelievable color changes of an octopus, the eeriness of a slow moving shark in the distance, or the synchronized ballet of a school of fish.*

*Ikelite's full range of video housings and accessories are designed for ease of installation and operation.*



## **Pro Video-Lite II**

Designed for small Ikelite Video Cases. Compact, sealed ni-cad battery pack approaches zero buoyancy underwater. Powers the 100 watt lamp for 35 minutes or the 50 watt lamp for 70 minutes per charge. 2.4kg (5.2 lbs) surface weight. Waterproof to 90m (300'). 10-hour charger included.

In-Line On/Off switch can be mounted on the handle for easy access and finger tip control.

The Pro Video-Lite II has an ultra-wide, 100° even-patterned primary beam which is free of hot spots, and a built-in 20 watt modeling and night-diving light. The pack features a quick release for easy installation.

  
**ikelite**  
Underwater Systems

50 W 33rd Street  
Indianapolis, IN 46208  
317-923-4523

## **Clear Housings**

Clear Ikelite housings provide instant visual inspection of the camera and complete monitoring of all functions.

## **All Aluminum Housings**

The rugged and sophisticated aluminum Ikelite housings are designed specifically for several models of Sony cameras.

## **Controls**

Easy-to-operate controls are kept water tight with Ikelite designed glands and quad-ring seals.

## **Dome Port**

Ikelite's dome, designed for underwater use, is recognized for its exceptional optical quality.

## **Wide Angle Lens**

This lens doubles the coverage angle of the camera lens.

## **Video-Eye Magnifier**

See exactly what the camera sees. Video-Eye magnifies the image to provide a large, sharp, brilliant image.

## **Quick Release Base**

Quick release lever allows the base to be easily removed for the optional Pro Video-Lite II.

## **Video Lighting Systems**

Choose between the Modular Video-Lite 45 and the larger Pro Video-Lite II.



# VIDEO

For additional information contact your local dive shop or send \$1 to Ikelite for a catalog.



## CREATURE FEATURE

# THE BLUETHROAT PIKEBLENNIE

**S**ettled on the sandy bottom of Cayman Island's Oro Verde, my dive buddy Jay Ireland and I were watching small lancer dragonettes scoot about when some peripheral movement attracted our attention. Upon closer inspection we found the motion was caused by a bluethroat pikeblennie, *Chaenopsis ocellata*. I had heard that these animals were

extremely careful not to stir up any sand that would hinder photography. Even with our slow approach, however, the blennie disappeared into its protective hole.

Luckily Jay had a small pocket mirror, and he also knew that blennies are territorial. We patiently waited while positioning the mirror in front of the blennie's den. The mirror

opportunity to snap several shots of the exhibition.

A mirror is a great tool that can be used to coax territorial fish out into an open area where they can be more readily photographed. The fish becomes so preoccupied while sparring with its reflection that it ignores the photographer. This makes it possible to move in closely even while using framers. Mastering this technique effectively does require some practice. The mirror needs to be positioned in such a way that it is not included in the final image. This becomes difficult when the fish is in physical contact with the glass.

Armed with a Nikon F3 encased in an Aquatica Housing, we were ready for the shot. A 55mm lens was used, and the dual Ikelite MV strobes were carefully positioned to minimize light reflecting off the sandy bottom. The aperture setting was F32 to provide the maximum depth of field, and the photograph was shot at 1/60 second.

The bluethroat pikeblennie is one of about 600 species of fish that are generally recognized as blennies. As these fish are small, move very little and blend well into their surroundings, they can be difficult to find. In general, blennies can be recognized by their distinctive single dorsal fin. They tend to perch with their body in a curved position and most are carnivorous. Blennies can be found in tide pools and rocky areas as well as coral and grass beds. ■

—Georgienne Bradley



By Jay Ireland

occasionally sighted on the sand flat near the artificial reef and had dedicated several previous dives to searching for these elusive creatures. I had all but given up when, by chance, one caught our eye.

Because bluethroat pikeblennies typically occupy deserted worm tubes, I was surprised to find this one in a small hole in the sand. Slowly creeping closer, we were

successfully deceived our subject into believing that there was an aggressive, challenging pikeblennie encroaching on its territory. This instigated the defending blennie to launch a full combative display. With its blue-striped gill plates flared, mouth agape and its elongated dorsal fin erect, the blennie struck at the "intruder." This instinctual behavior was repeated several times, giving Jay the

BY GEORGIENNE  
BRADLEY

This is the fumble-proof, fool-proof way to take gorgeous 35mm color photographs whether you're snorkeling or diving deep. Click! You've got the Anemones, the Parrotfish, and the Angel. Click! You've got your close-up of the Bluestriped Grunt sticking his nose out of a wreck.

With each click, the optional flash automatically saturates your subject with light. Your film advances automatically. And when your film is fully exposed, the motorized rewind is very simple. No underwater camera is more reliable. Or better designed to make it easy to bring home lots of

dazzling memories.

On land, MX-10 doubles as a gutsy all-weather camera sealed against spray, rain, sleet and snow. So when there's water over your head, or under your feet, shoot with the camera that can take it all—beautifully—MX-10.



Optional wide-angle lens can be attached underwater.



Photo © Dan Auber

# MX-10.

## The easiest way to take beautiful photos underwater.

Optional YS-40 Flash Unit gives you the light needed for superb photos, even down at 99 feet



Designed for easy handling, even when you're wearing gloves

Mini flash for topside shooting in any weather

Viewfinder

Large shutter release

Shutter release lock

32mm fixed focus lens (Optional framer and 20mm wide-angle lens can be attached underwater)

F-stop switch selects lens opening and mini flash

Unique infrared synchro-beam system links camera and flash without an external connector

# SEA&SEA

A M E R I C A

GMI Photographic Inc.  
125 Schmitt Boulevard, Farmingdale, NY 11735  
TEL: 516 752-0066 • FAX: 516 752-0053



# UP CLOSE AND PERSONAL

WITH DAVID FLEETHAM

Now You See It — Now You Don't  
*The following images were  
captured by David Fleetham, a  
Maui-based marine photojournalist,  
while diving in Indonesia.*



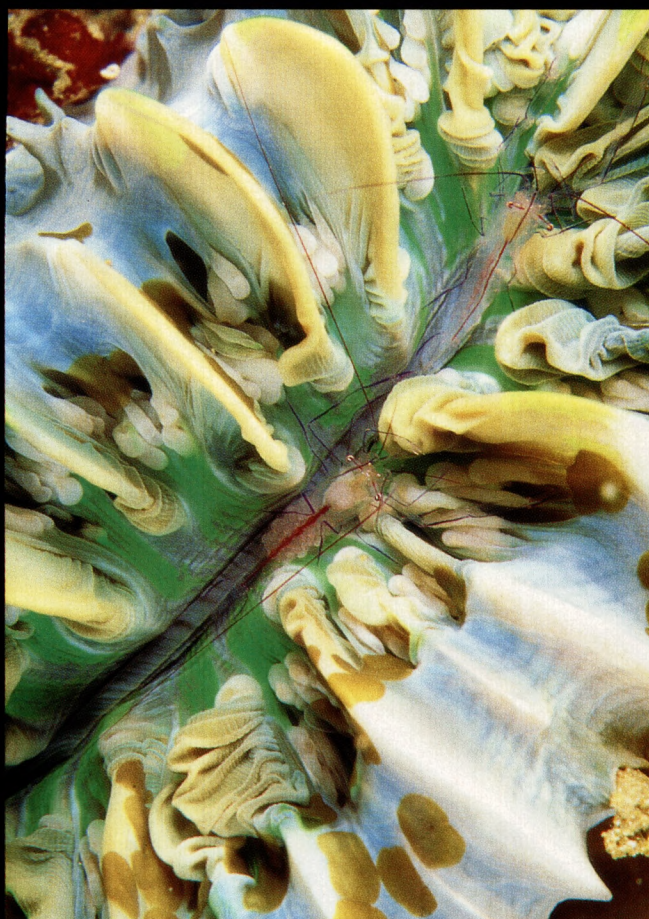


*Above left: Looking somewhat like an alien from War of the Worlds, this Mantis shrimp with his multi-colored eyes warily pokes his head out of his small cave to look back at the camera.*

*Left: With eyes mounted atop like twin periscopes, this Fiddler crab fearlessly scuttles along, knowing he could easily fend off would-be attackers with his huge right claw.*

*Above right: Despite its slender shape, this clear Goby seems to be nearly invisible as it hides in plain sight among the round bubble coral.*

*Right: These camouflaged Shrimp, looking more like pencil drawings, are patiently waiting, and hiding, among the hard coral for their eggs to hatch.*





# Now You Won't Have To Go Through Hell To Get To A Little Heaven.

Announcing Our DIRECT Flights To Little Cayman  
And Cayman Brac

Enjoy Your Own Private Charter From Tampa/St. Petersburg To  
Cayman Brac/Little Cayman

**Little Cayman,  
Bloody Bay Wall,  
Bloody Good Diving!**



**Cayman Brac,  
Stupendous Diving!  
What Grand Cayman  
was 25 Years Ago!**



Sales/Reservations 1-800-327-3835 Ask About Our ALL Inclusive Packages.

## SHORT TAKES

### BOTTOM LINE BOTTOM TIME

Has the high cost of video housings kept you from taking your camcorder down under? If so, you may just be in luck. Seaturtle Submersibles has introduced a low-cost (\$329) video housing to accommodate most 8mm and VHSC camcorders. Rated to 130 feet, the unit uses a flat port allowing for a 50 degree field of view without the need for a dome port. For more information call 314-863-0701. ■

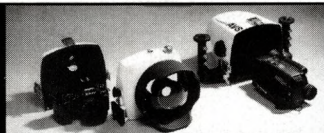
### WETNESS DETECTOR

If you wake up in a cold sweat at night dreaming that you've flooded your underwater camera, you can now sleep in peace. Pacific Camera has introduced the Sub-Detector, which checks watertight integrity of all Nikonos cameras, lenses and strobes, prior to the dive. The Sub-Detector can be used on individual pieces or when the system is installed together. The Sub-Detector requires no batteries. For more information call 714-642-7800. ■

### SHOE ARMS AND SPOT SHOTS

New Hampshire based, Underwater Photo Tech, has recently introduced two new gadgets for macro photography. The Shoe Arm is a convenient unit which connects a strobe directly to the viewfinder bracket on top of the camera. This places the strobe in the perfect position for macro shooting and eliminates the need for a tray and arm system for the strobe and camera. The Shoe Arm is also easily detachable for hand-held strobe use.

The Spot Shot is a unique framing and focusing system intended to replace



## Aquatica 90: The world's first SLR housing which gives you complete computerized control over the Nikon N90/F90.

Never before has there been a camera housing so complete in features, so advanced in technology and so natural in feel.

Computer designed and machined as well as investment cast, the Aquatica 90 features the finest viewing system and the most complete lens selection of any underwater camera system available.

The module inside the Aquatica 90 plugs directly into the N90/F90, giving you full computerized access to all camera functions.

It's also an AVS housing, meaning it can easily be converted to accept any Sony TR camcorder.



*"With the subjects I shoot, I only get one chance.  
That's why I choose Aquatica housings." — Bob Talbot*

7730 Trans-Canada Hwy., Montreal (Quebec) CANADA H4T 1A5  
Tel.: (514) 737-9481 Fax: (514) 737-7685



conventional wand and framers. Two small flashlights are attached to a bracket on opposite sides of the camera and aimed so that their beam cross at a precise focal point. By using light beams instead of rigid framers, the Spot Shot eliminates contact with the reef and the subject. It also decreases the need for baiting (which eliminates backscatter), helps to get the camera into tight spots and creates less fear to the fish. For more information on either of these products, call 603-432-1997. ■

#### FREE CAMERAS FROM NIKON

Well, it's not really a free camera, but divers can receive a \$100 certificate entitling them to test dive the Nikonos V system for one day at no charge and with no purchase necessary. The certificates are available until April 1, 1994 (no fooling) and will be honored at participating Nikonos Photo Centers in the Caribbean, Bahamas, Florida Keys and Pacific. Any qualified diver submitting a certificate can borrow the system (Nikonos V, 35mm lens and SB-103 Speedlight strobe) and receive expert instruction and a professional critique at no cost. Certificates can be ordered by writing to Nikon Inc., Test Dive, P.O. Box 9386, Canoga Park, CA 91309-9386. Limit one certificate per person. ■

#### CORAL SEA DREAMING

*Coral Sea Dreaming* is a new VHS videotape showcasing Australia's Great Coral Reef and is produced by Small World Music Inc. of Nashville, Tennessee. This 55 minute underwater odyssey is the result of over four years of collaboration between a group of Australian-based scientists, film makers and artists, who share an obsession with coral reefs.

The images in *Coral Sea Dreaming* represent a novel approach to natural history, which synthesizes scientific knowledge and aesthetic appreciation into a new musical, artistic expression. Narration was purposely left out of the video. In its place though is a 20-page full color booklet.

*Coral Sea Dreaming* was awarded the Gold Camera Award at the U.S. International Film and Video Festival for the Best Nature Video of 1993. For details contact (615) 320-7672. ■

## Aqua Quest Inc.



Quality Scuba Equipment  
at Affordable Prices

**1-800-354-4666**  
**FOR FREE CATALOG**

## UNDERWATER PHOTO-TECH

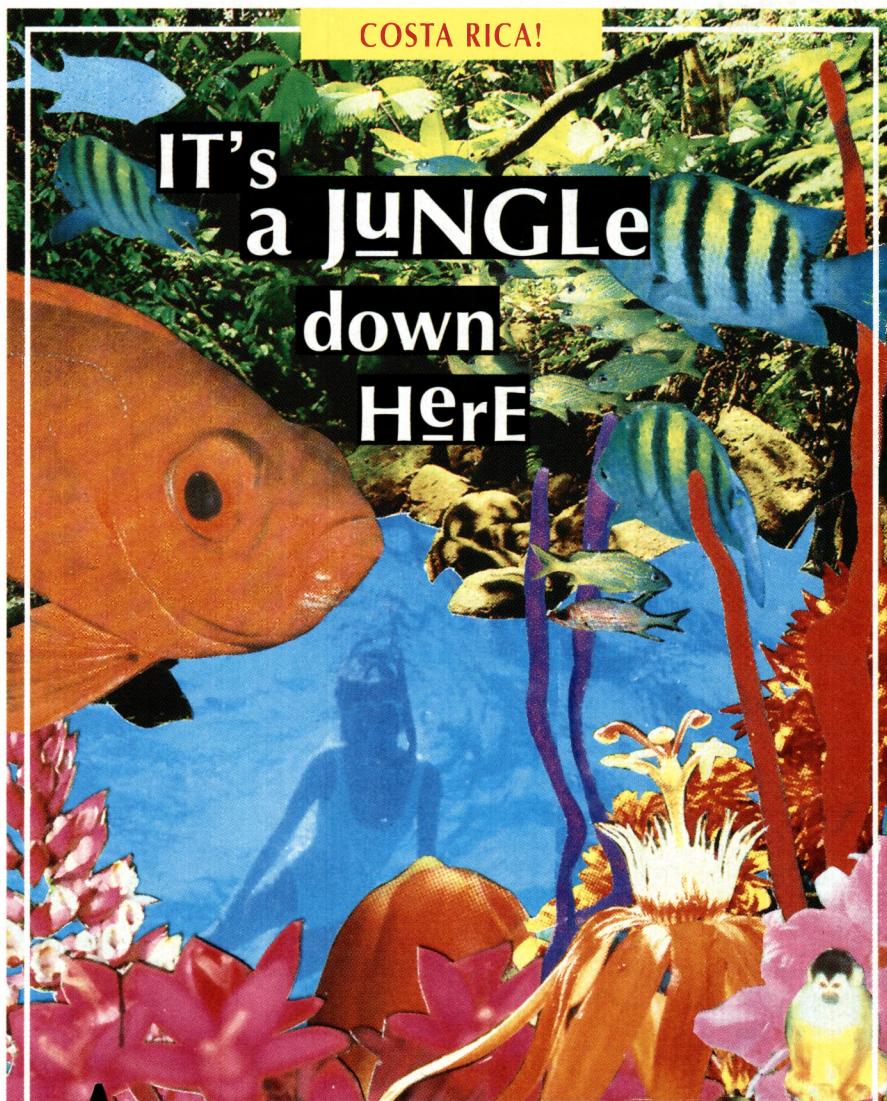
### Photo Accessories

- Body Caps
- Double Trays
- Quick Disconnects
- Macro Shoe Arm
- Spot Shot
- Lens Caps



16 Manning St. Suite 104  
Derry, NH 03038

(603)432-1997~ FAX(603)432-4702



**A**n incredible dive location nestled on the edge of Costa Rica's Corcovado National Park. The *Aguila de Osa Inn* promises you exciting dining, one-of-a-kind guest rooms, diving, fishing, kayaking, hiking, horseback riding, or just hanging out in a hammock—all on Costa Rica's secluded Osa Peninsula.

(in Costa Rica)

TEL: (506) 96-2190, 32-7722

FAX: (506) 32-7722

**Aguila de Osa Inn**

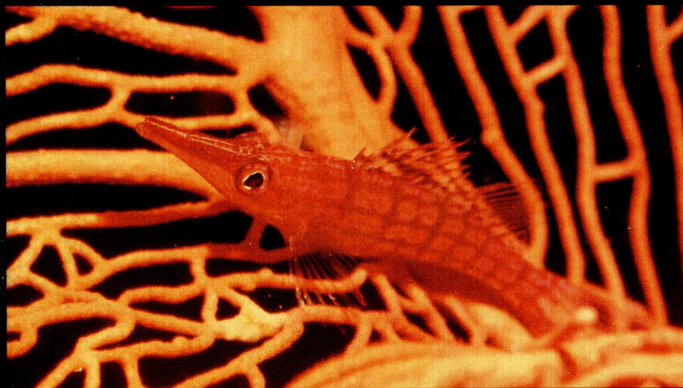
A RAINFOREST AND MARINE FRONTIER

After March 31, 1994, the numbers will be (506) 232-7722 and (506) 296-2190

K O N A • P A L A U • T R U K

# the. ULTIMATE DIVING EXPERIENCE

Live/Dive Hawaii, Inc. - operator of the KONA AGGRESSOR II and now the PALAU and TRUK AGGRESSORS - celebrates with the other famed Aggressor vessels, 10 years of dedicated service to the diving public.



Dive with enormous schools of Pacific reef fish, majestic mantas, dolphins and whales from the KONA AGGRESSOR II. Experience the exquisite beauty of Palau's reef life, or the excitement of a shark encounter from the PALAU AGGRESSOR. Explore Truk Lagoon's historical WWII shipwrecks, now covered with colorful sea life, from the TRUK AGGRESSOR.



Don't miss your chance to have the *ultimate diving experience* on board any of the luxurious Aggressor live-aboards!

**Live/Dive Hawaii, Inc. ■ 1-800-344-KONA** (U.S. & Canada)

808-329-8182 (Hawaii & International) ■ Fax: 808-329-2628 ■ 74-5588 Pawai Place, Bldg. F ■ Kailua-Kona, HI 96740

K O N A • P A L A U • T R U K



# Get a Leg Up On Your Next Vacation.



If your vacation is interrupted because of an emergency evacuation due to a diving accident, and you're a DAN member (or a family member), don't despair. You will be credited through your booking dive store or resort up to \$750 towards another dive vacation of comparable value in the next calendar year when you (or a loved one) are evacuated by Assist America, DAN's global emergency medical evacuation service. See other side for more great DAN benefits!

fold

For Store or Instructor Use Only — ST 11/93  
Sponsor# \_\_\_\_\_

## Enclosed is payment for the following:

\$25 Membership \$ \_\_\_\_\_

\$35 Family Membership \$ \_\_\_\_\_

\$25 per person \$40,000 Divers Insurance \$ \_\_\_\_\_

For Canadian memberships add \$5  
all other non-U.S. memberships add \$10 \$ \_\_\_\_\_

**Total Enclosed** \$ \_\_\_\_\_

### Your Information

Name \_\_\_\_\_ Birthdate \_\_\_\_\_

Address (street, city/state & zip) \_\_\_\_\_

Daytime Telephone ( ) \_\_\_\_\_

### Other Family Members (required for family membership)

Name \_\_\_\_\_ Birthdate \_\_\_\_\_

Name \_\_\_\_\_ Birthdate \_\_\_\_\_

Name \_\_\_\_\_ Birthdate \_\_\_\_\_

### Method of Payment (please circle)

Check Money Order VISA MasterCard

Card # \_\_\_\_\_

Card Expiration Date \_\_\_\_\_

Signature \_\_\_\_\_

Today's Date \_\_\_\_\_ Fold and seal with tape.

*If more space is needed for additional members, please include a separate sheet of paper.*

# Divers & Snorkelers — What Can DAN Do For You?

- Affordable **\$40,000 insurance coverage** for all in-water accidents **including snorkeling**.
- Valuable membership benefits, including **Assist America** travel coverage; **Alert Diver**, DAN's members-only magazine for new and experienced recreational divers who are serious about their health and safety; DAN's **Underwater Diving Accident Manual**; and more.
- DAN's **24-hour emergency hotline** and **information line** for your safety today, and important **diving research projects** for your safety tomorrow.

## What is DAN?

DAN is an international, nonprofit organization dedicated to diving safety, operating a 24-hour emergency medical hotline (919) 684-8111 and a 9-to-5 medical and safety information line (919) 684-2948 among other diving safety services.

DAN is supported by a membership association for safety-conscious individuals and diving businesses. DAN is an advocate for divers on issues of safety in diving.

## What does DAN Membership provide?

- **Divers Accident Insurance** — covers up to \$40,000 for any in-water injury — worldwide.
- **Safe Diver Information Kit** — containing DAN's *Underwater Diving Accident Manual*, wallet identification card and tank and equipment decals.
- **Alert Diver** — DAN's bimonthly magazine offers the latest information on education, dive safety, seminars and dive research trips.
- **Assist America** — DAN's global emergency evacuation service. A DAN member, traveling more than 100 miles from home, whether insured or not, can be evacuated from anywhere in the world to an appropriate medical facility in the event of an accident or illness.

## Why do I need divers insurance?

Though not common, a diving injury can result in debts totaling thousands of dollars.

In many cases, a diver's insurance has not paid for chamber treatment. Air ambulance companies have refused to transport a diver without cash up front.

The cost of hyperbaric chamber treatment varies greatly. Contrary to popular belief, most divers do not recover in a single treatment. The average length of treatment is approximately five days and the cost can be between \$5,000 to \$40,000.

Lacking the ability to pay, a diver may be refused transport and/or treatment.

## What expenses are covered?

- Hyperbaric chamber treatment.
- Professional ambulance service (including air ambulance).
- Inpatient hospital care — service and supplies.
- Physicians's and other fees for: diagnostic, laboratory services, and physiotherapy.

## What injuries are covered?

All injuries that occur in the water, including those that occur while snorkeling.

## Who is eligible?

Recreational scuba divers and snorkelers, plus instructors, assistant instructors, and divemasters (who are instructing or supervising dive activities) provided you are a resident of the U.S. or Canada and are a DAN member or join using this form.

## How much expense is covered?

The insurance is a secondary policy that will pay up to \$40,000 for air ambulance and medical treatment worldwide in excess of any other insurance coverage you may have, minus a five percent deductible. However, you don't need any other insurance to be covered by this program.

## Are family memberships available?

Yes, call a DAN customer service representative toll-free at (800) 446-2671 for details.

## Who do I contact if I need more info?

Call (800) 446-2671 or write DAN at: Box 3823, Duke University Medical Center, Durham, North Carolina 27710 or contact your local dive store.

Dive stores displaying  
this symbol support  
Divers Alert Network



fold



## Divers Alert Network

Box 3823  
Duke University Medical Center  
Durham, North Carolina 27710

NO POSTAGE  
NECESSARY IF  
MAILED IN THE  
UNITED STATES

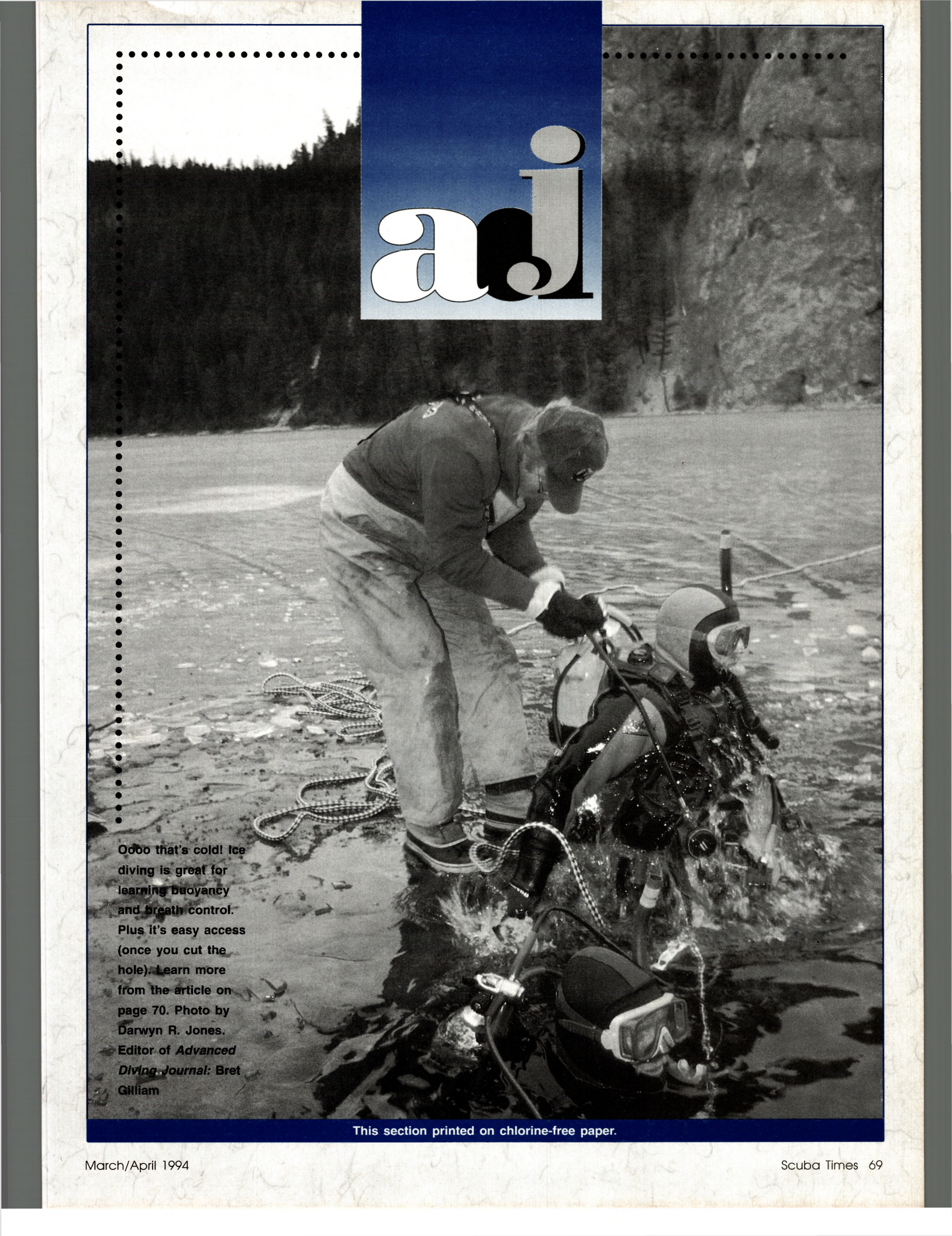
## BUSINESS REPLY MAIL

FIRST CLASS PERMIT NO. 9750 MINNEAPOLIS, MN

Postage will be paid by addressee

## Divers Alert Network

Box 907  
Minneapolis, MN 55440-9863



# ai

Oooo that's cold! Ice diving is great for learning buoyancy and breath control. Plus it's easy access (once you cut the hole). Learn more from the article on page 70. Photo by Darwyn R. Jones, Editor of *Advanced Diving Journal*: Bret Gilliam

This section printed on chlorine-free paper.

# Chill Out

## Is ice diving for you? Is it for anyone?

**G**o diving in near freezing water? Through a hole in the ice? On the end of a rope?

Let's face it. On the basis of that description, if prisoners of war were forced to engage in ice dives, it would be a violation of the Geneva Convention. No question about it.

So why, every winter, do so many people clamor to participate in an activity which looks and sounds like a weird disaster-film blend of *Alive!* and *The Poseidon Adventure*?

### Three reasons, really.

The first, and the one you'll most often hear from inland freshwater divers, is visibility. Inland lakes, particularly those which are not spring-fed and lack constant current, are usually vigorous environments for algae and the other biological nuisances. While these minute creatures do an admirable job of anchoring their end of the food chain, they do so at the cost of underwater visibility. In many Midwestern lakes, early-summer visibility can drop to virtually braille levels.

But in high winter, once those same lakes have frozen over and been covered for weeks with a blanket of snow, a marvelous thing happens. Photosynthesis ceases, lower life forms take a deep-six until spring, and—well, to say that visibility improves would be an understatement. During one late-February dive in Michigan last year, we swam to the end of a 100-foot line, turned back to look in the direction of the hole, and could clearly make out our safety diver, who'd popped in to check the great viz himself. Add to this a whole spectrum of fish—from guppies to tiger muskies—which are dulled to half-speed by low water temperatures, and you have a combination of good visibility and something to see. Particularly for underwater videographers and photographers, the mid-winter hard freeze is the time for freshwater diving.

The second reason for ice diving is convenience. Can't get to the Caymans? Florida too far to drive for the weekend? Go jump in the lake; ice diving is a quick and inexpensive (no boat!) way to get into the water. And even if you do have a dive-til-you-drop Caribbean excursion

scheduled for early spring, ice diving is an excellent way to make the trip with skills honed through frequent—weekly, or even daily—diving.

The final reason to combine the great plunge with the big chill is that, although most ice divers enjoy projecting the illusion that this is an activity only for the most hirsute of men (or, scarier still, the most hirsute of women), it really is a very comfortable way to dive. A good dry suit makes it possible to virtually ignore any temperature at which water

will stay liquid. Even wetsuit divers can comfortably tolerate the temperatures if they take such crafty steps as pre-charging the suit, just before putting on the BC, with a thermos of warm water.

By standing on a wooden palette (or in a pinch, a pair of upside-down fins) divers waiting their turns to dive can keep from losing heat to the ice through their boot bottoms. A heavy coat, dry gloves, and a dollop of warm cocoa can keep wet-suited divers warm après dive, and those who dive dry may even find that, on sunny days, the biggest problem is keeping from getting too warm while standing vigil around the hole.

Particularly if you take the recommended step of shoveling several spoke-like paths out from the hole for 100 feet or so, ice diving is not the abysmal, dark experience you might imagine. In fact, most ice divers won't even require dive lights. With shoveled paths admitting sunlight through the

ice, the experience is like diving under banks of fluorescent fixtures.

So, is ice diving for every diver? Absolutely not. First, forget the fact that you may have learned to wreck dive, river dive or deep dive without a specialty course. Ice diving is different enough that you should get special training (available through most snowbelt dive shops) before you participate.

Second, this form of scuba is not for the novice diver, particularly one who has just gotten the C-card a dozen or so dives ago, and whose only previous experience is a lycra-clad dive trip to the Bahamas.



Ice diving requires being tethered to surface tenders, who can be seen through the ice in this photo. By Darwyn Jones.

Ice diving involves either a thick (1/4 inch minimum) wetsuit, or a dry suit, both of which will dramatically alter a diver's natural buoyancy characteristics. In addition, water does weird things to buoyancy as it gets colder. Below 10 feet or so, the water pressure will do what it does everywhere else, adding squeeze to suits and BCs, and making a diver more negative.

But in the upper five or 10 feet—the part where you tend to get “floaty” in most types of diving—near-freezing water is so laden with free oxygen that it loses weight and density. As a result, a diver will become slightly negative in the upper water. The typical ice dive, then, involves going from a region in which the diver is negatively buoyant, to a brief purgatory of positive buoyancy and back to a negative zone again. In near-freezing water, heavy use of the BC power inflator—particularly if you're breathing on the regulator at the same time—will lower the regulator's first-stage temperature to the point that most models will readily freeze up and free-flow through the second stage. Add the challenge of diving tied to a rope (recreational ice diving is always done with a surface tender), and you have a situation which is going to be formidable—if not downright dangerous—for a brand-new diver.

Ice diving is very enjoyable once you've logged enough dives to be comfortable diving on a tether (something best practiced in open water first), and once your diving skills are so refined that you can deal without panic with a free-flowing regulator (free flows, by the way, become less common with seasoned ice divers, who'll have both better breath control and advanced, freeze-resistant breathing equipment). It also helps to be familiar with diving in an overhead environment—wreck and cavern diving are good practice. Claustrophobes should not ice dive, but then again, claustrophobic people shouldn't be diving in the first place; go skiing.

A great result of becoming an ice diver is that, if you can dive and maintain decent buoyancy in near-freezing water, wearing a dry suit or layered wetsuits, all the while keeping your legs and tank valve from becoming tangled in the rope, a wonderful thing happens when spring comes, and you resume normal diving. You become a very, very good diver. In warm, tropical waters, where suit buoyancy is not a factor, you'll go beyond good—you'll become a star. The same skills you use to keep

out of the silt or off the ceiling in an ice dive will allow you to hover, camera in hand, scant millimeters from a living reef, while you wait for that angelfish to show you her good side.

Divers who've gained the experience and have taken the specialty training required for safe ice diving will usually become winter-diving junkies. After a few plunges through the ice, it's not uncommon to see a diver going to the next plane, “skiing” upside-down on the underside of the frozen lake surface, or trying ice diving at night (seriously). But when you get to that point, don't tell anybody else how much fun it is. Why spoil a perfectly good macho rep?

*Contributing editor Tom Morrissey cuts holes in the ice and drinks cocoa in Romeo, Michigan.*

#### EARNING AN ICE DIVING SPECIALTY CERTIFICATION

If you want to learn to ice dive, contact virtually any scuba shop in the snow belt. If they don't teach the course themselves, they can probably point you to someone who does. Or call any of the agencies below, and ask them to refer you to a dive center in your area that's qualified to teach the ice diving specialty class. Note that all agencies have some type of prerequisite rating in order to learn to ice dive.

##### NAUI

P.O. Box 14650 Montclair, CA 91763  
Telephone (909) 624-6210, Prerequisite rating: Advanced certification (NAUI Advanced Diver or equivalent), at least 18 years of age.

##### PADI

1251 East Dyer Road, #100 Santa Ana, CA 92705-5605, Telephone (714) 540-7234, Prerequisite rating: Open Water II, at least 18 years of age (Advanced Open Water recommended).

##### PDIC

1554 Gardner Avenue, Scranton, PA 18505, Telephone: (717) 342-1480. Prerequisite rating: Must be an Advanced Open Water Diver, at least 18 years of age and a minimum of 25 logged dives.

##### YMCA Scuba

6083-A Oakbrook Parkway, Norcross, GA 30093, Telephone: (404) 662-5172, Prerequisite rating: Must be an Open Water Diver at least 18 years old, with a minimum of 15 additional dives (Advanced Open Water recommended).

## GIANT HEAVY DUTY BOAT & TRUCK TARPAULINS

12X16 . . . . \$12	18X32 . . . . \$33
16X20 . . . . \$19	20X30 . . . . \$36
18X24 . . . . \$26	26X40 . . . . \$58

As a part of an advertising test, North American Tarp Mfg. will send any of the above size tarps to anyone who reads and responds to this test before the next 30 days. Each giant heavy duty tarpaulin is constructed of extra tough, 100% waterproof, high density fabric and has nylon reinforced, roped, double-locked stitched hems, electronically welded seams, with 4 (1/2 dia.) metal grommets every 3 feet all around and reinforced triangular corner patches so it can be roped down and secured extra tight. Specifically designed for heavy duty uses on trucks carrying heavy duty bulk and pallet riding materials, tractors, extra heavy machinery, awnings, tents, sports equipment, grain, hay, tools or any equipment for industrial or private use, kept outdoors in hot or sub freezing weather. Each tarpaulin is accompanied with a **LIFETIME guarantee** that it must perform 100% or it will be replaced free. **LIMIT** (10) any size tarp per address. Add \$7 handling and crating for each tarpaulin requested. Send appropriate sum together with your name and address to: Dept. T 1433 North American Tarp Mfg 7095 Hollywood Blvd. Suite 761 Los Angeles CA 90028. Or for fastest service from any part of the country:

**CALL FREE**  
7 Days a Week, 24 Hours a Day  
**1-800-374-2030**  
DEPT. T 1433  
HAVE YOUR CREDIT CARD READY VISA / MC.

## DIVE ABACO



Join us on board our specially designed dive boat and explore tunnels and caverns in majestic coral mountains rising from a depth of sixty feet to the ocean surface in clear turquoise waters.

- Scuba and snorkeling trips daily
- NAUI & PADI certified instructors offering resort (beginner) courses or full certification courses—we also do referrals
- Underwater videos
- Dive/Hotel/Air packages available

## DIVE ABACO

P.O. Box AB20555  
Marsh Harbour, Abaco, Bahamas  
(800) 247-5338 (U.S. & Canada)  
(809) 367-2787 (Marsh Harbour)  
(809) 367-4004 (FAX)

# Will We Ever Table Tables?

A question PADI commonly gets—as undoubtedly do other training organizations—is, “With everyone going to dive computers, do we still need to teach dive tables?”

It’s a good question. The prevailing answer seems to be, “Yes, but eventually, no.” You won’t have to go far to find differing opinions as to when “eventually” will come about. Rather than bet on opinions (or tea leaves and tarot cards for that matter), you can make your own estimate by watching for the changes that will finally make dive tables obsolete.

**1. Computers must become standard equipment.** By “standard” we mean that if you are a diver, you’re expected to have one and wouldn’t dive without it, just like your BCD, submersible pressure gauge and alternate air source. Some people think that the dive community can make computers “standard” simply by mandating it. The truth is, no dive equipment has become standard by mandate and attempts to do so have failed. BCDs, submersible pressure gauges (SPG), alternate air sources—even fins and snorkels, for that matter—became standard by offering benefits few divers wanted to do without. At some point, virtually all divers were using, for example, SPGs, and thereafter diving without it was considered unsafe and inappropriate. The SPG became a dive community standard through acceptance, not imposition.

However, a global perspective makes this process more complex. While the alternate air source is considered standard equipment in the U.S., it’s not in many areas of the world. This is one reason that international training organizations like PADI and NAUI still teach buddy breathing as well as alternate air source use. More than likely, the computer will become standard equipment in some areas more quickly than others. Likewise, until all areas make it a standard piece of equipment, tables will be taught.

So, dive computers must go through the evolution of becoming standard equipment, not just in the U.S., but throughout the world. Presently, it’s not reached that stage

anywhere, but as time goes by, more divers discover that computers offer significant benefits in safety, extended dive time and convenience. These benefits seem to have the move toward “standard” equipment status well under way.

**2. Computers need greater reliability.** As long as there’s a reasonable possibility that a computer will fail, especially on an expensive dive trip, divers will carry (or at least stick in their gear bags) dive tables. Dive tables will still be considered acceptable alternatives to using a computer. Manufacturers have come a long way with dive computers. They’re more reliable than before, and user changeable batteries have almost become the rule. Still, they must be so reliable that failures are extremely rare, and/or so widely accepted that a diver has no trouble renting or buying another if his does fail. In other words, the possibility of needing tables must be practically eliminated.

Reliability could also come in the form of computers that cost little more than you’d presently spend on a depth gauge and timing device. Then it would be economically feasible to wear a primary and a back up computer, just as many divers presently carry a depth gauge, watch and tables along with their computer. While some divers wear two computers already, current prices are a bit high to expect two, much less one, to become a standard practice soon.

**3. Divers will have to let go of tables.** Often, old methodologies hang around simply because we’re comfortable with them. Although the SPG made reserve J valves obsolete, it was years before some divers were comfortable without them—and some still aren’t! Likewise it may be difficult for some divers, including some instructors, to let go of tables. After all, tables can’t glitch out, flood or croak from drained batteries. Time usually changes such attitudes. When, after carrying tables for ten years, the diver notices he hasn’t needed them even when his computer did fritz out a few times, he concludes that perhaps they’re superfluous.



Like the sands of time? How long will teaching tables hang on against the age of the computer?

### A Good Change

When the three conditions mentioned have been met, we'll probably see tables disappear, and new divers won't be trained to use them. Instead, they'll be taught exclusively the use of dive computers. Although some divers will be uncomfortable with this thought (see #3 above), there are more than a few advantages to consider.

First, while most new divers master dive tables with little difficulty, dive table mastery may erode quickly with inactivity. Dive computers, on the other hand, don't forget. With dive computers standard equipment, forgetting table use vanishes as a problem. In addition to that, teaching tables can be quite time consuming; eliminating table instruction could free more time for emphasizing safe diving practice with computers, such as safety stops and other guidelines that aid the diver in avoiding decompression illness.

Second, dive computers can reduce human error because they track dive profiles much closer than do divers. In fact, tests show that the actual dive profile can differ surprisingly from what a diver believed it was. Admittedly, tables provide added conservatism through depth/time rounding and other restrictions, but dive computers don't get distracted by Queen Angelfish and shipwrecks.

Third, because computers give more dive time on an ascending multilevel profile, they encourage such dives. Many physiologists believe that these profiles have the lowest decompression illness risk, so this could promote diver safety. (Note: It should be pointed out, however, that some physiologists don't see the multilevel profile as a risk advantage.)

### But When?

As stated at the outset, it's hard to say when computers will completely replace dive tables, but it will probably happen eventually. If you're pressed for a precise date, a wise adage may be the best answer: It will happen when it happens.

*Karl Shreeves is PADI's Manager of Technical Development. Along with Dr. John E. Lewis, he is coauthor of The Recreational Diver's Guide to Decompression Theory, Dive Tables and Dive Computers, now in its revised second edition.*

## SATISFACTION GUARANTEED!



Your satisfaction is guaranteed as a **PDIC instructor** because you will be using the most advanced techniques available.

You will take great pride in helping your students become well-trained, confident, enthusiastic divers.

Join the **elite** group of professionals at **PDIC**, known throughout the world as "The Quality Training Agency."



The Professional Diving Instructors Corporation  
P.O. Box 3633 Scranton PA 18505

**CALL TODAY! (717) 342-9434 or FAX (717) 342-1276**



# Seabear™



## PNEUMATIC SPEARGUNS

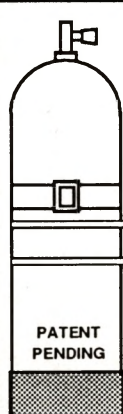


**RUSSIAN MILITARY  
TECHNOLOGY**  
FOR UNDERSEA HUNTING

**RUGGED  
HIGH POWERED  
DEADLY ACCURATE**

1-800-860-1211 **MOST ATLANTIC COMPANY** Fax 216-923-4349

## NOW YOU CAN TAME YOUR PONY



### THE PONY TAMER®

- NO WELDING!
- NO SPRINGS TO SNAP!
- LOW PROFILE
- STAINLESS STEEL FLUSH MOUNT!
- BRACKETS HAVE 100% SURFACE
- CONTACT WITH TANKS!
- LANYARD TO PREVENT PIN LOSS!
- KIT COMES WITH 2 FEMALE BRKTS, 1 MALE BRKT AND
- ALL 100% SS BANDS!
- UP-GRADES AVAILABLE!
- LIFETIME LIMITED WARRANTY!!!

SYSTEMS START AT  
\$64.95

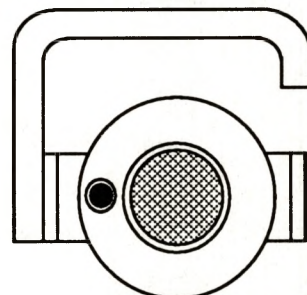
**REEF SCUBA ACCESSORIES, INC.**

210 CHANCE DRIVE  
OCEANSIDE, NY 11572-3302

SETTING INDUSTRY STANDARDS  
NOW AND FOR THE FUTURE FOR A  
SAFE DIVE!

**1-800-633-4837**

### THE GOLDEN REEL SERIES™



LINE TENSIONER BUILT-IN  
NO LOCKING SCREW TO SNAP OFF  
X-LARGE WINDING KNOB  
100% STAINLESS STEEL HDWR

ALSO AVAILABLE:  
JERSEY UP/LINE REEL  
BRASS SNAPS AND HARDWARE  
STAINLESS STEEL HARDWARE  
HARD TO FIND HARDWARE ITEMS

CIRCLE DIVE INFO CARD #900

# Unlucky Lucerne

## Life and Death on Lake Superior

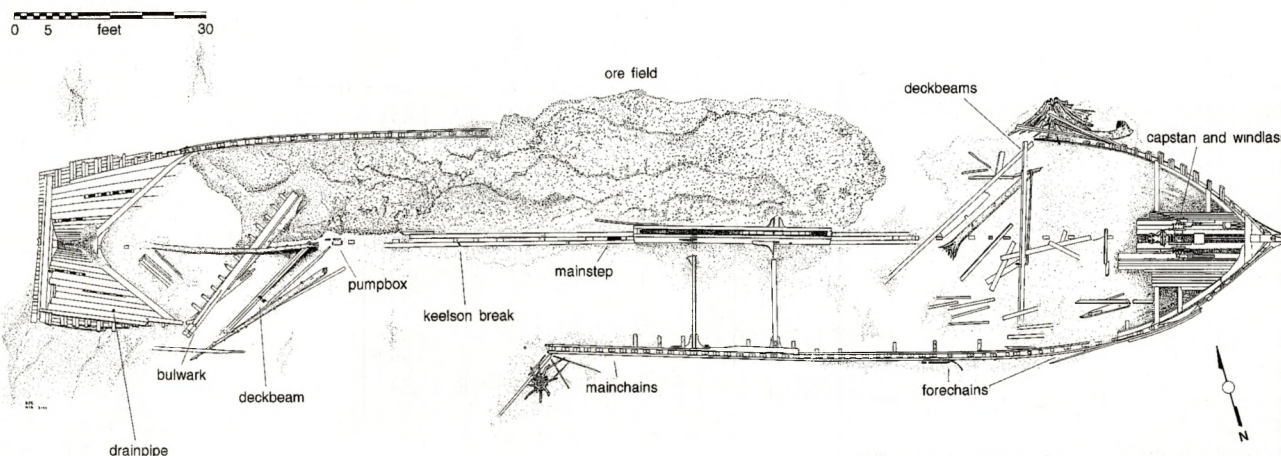
“**T**hree-two-four-three-four-point-six by 46234.9.” Larry Taylor, my father-in-law, reads from the Loran. “We should be over her.” He spins the helm to starboard, putting his 28-foot Bayliner *Sandpiper* into a search pattern. Neither he nor my mother-in-law Donna have pinpointed a wreck before, but they’ve been avid boaters for years. They make it look easy. “21 . . . 21 . . . 19 . . . 20 . . . 15,” reads my wife Julie from the depth finder, “18 . . . 5 feet!” The finder paints a sharp upward spike. “That’s her,” I say, scrambling forward to the anchor. “Go back over her, then yell for me to drop when we’re just clear of her.” This point is important because we’re in the Apostle Islands National Lakeshore on Wisconsin’s Lake Superior shoreline. The National Park Service, which issued our diving permit, has asked us to avoid anchoring in the wreck itself. “We’re over her,” says Julie, “Ready and . . . now!” Nylon three-strand slides through my fist; *Sandpiper* turns to the wind as I cleat it off, and the anchor bites into Lake Superior mud. I pay out extra scope so it holds firm and clamber back aft. Julie and I climb into our dry suits, with helping hands from Larry and Donna. Although they won’t be diving, excitement mounts for them as well as us because they’ve heard the stories about the ship’s final moments. The ship is the *Lucerne*, and her demise is a well-documented—if somewhat grisly—story dating back more than 100 years.

In her day, *Lucerne* was beautiful—even without allowing for the fact that she was basically an iron ore freighter. At 728 tons and five feet short of 200, she was a three-masted

schooner known to be reliable and fast—one of the last of the sleek, wood hulled ships that plied the Great Lakes. On November 15, 1886, she sailed from Ashland, Wisconsin with 1200 tons of ore—a light load for *Lucerne*. Nine crew and her master, Captain George S. Lloyd, expected this to be one of the season’s last runs and a fast one thanks to new sails on the masts. As *Lucerne* cleared Chequamegon Bay, the weather appeared ominous but passable, so the crew pressed on. Lake Superior is no place to be when the weather sours, least of all in November.

By the next day, *Lucerne* was engulfed in gales and crashing up and down in heavy seas as she battled what escalated through the day into one of the worst northeasters in Superior history. Hurricane-force freezing winds tore at the ship as she crashed up and down, pounded and washed under giant waves. A steamer passed her midstorm, but fighting for their own lives, its crew could only watch helplessly as the battered schooner fought its way toward the lee of Long Island, seeking shelter. The steamer sailed on; it was the last time anyone saw *Lucerne* afloat, or her crew alive.

It’s unclear whether the wreck was first spotted by a tug sent from Bayfield, Wisconsin, to look for her or by the Long Island lighthouse keeper, but both knew her whereabouts on November 19. She wasn’t hard to find because she lay in such shallow water that her masts jutted well above the surface—with three of her crew strung amid the rigging, frozen solid. It appeared they had climbed there to escape the icy Superior waters, to no avail. A fishing



Provided by the State Historical Society of Wisconsin

B Y K A R L S H R E E V E S

boat took the bodies to Bayfield; no others were found.

"We're on the bottom," I report to Larry as Julie and I reach the anchor. I'm wearing a full face mask with underwater communications, primarily because my father-in-law and I share a fondness for gadgets, and this involves him in our dive. However, Lake Superior's fickle weather has added a more serious angle; the sky has darkened, and he must be able to recall us if it looks like it will storm.

It takes only a few kicks to reach her. We swim onto the *Lucerne* over a field of rubble—her iron ore cargo—from her port side. Immediately, we find timbers and planks, all solid and strong, testifying to the preserving power of Superior's cold, fresh water. Little structure remains amidships standing along the hull, but down the keel line we find the mainstep and keelson break protruding upward near the surface. The latter was what read only five feet deep, and it's a good

thing *Sandpiper's* draft is shallower: It is massive and strong, beautifully crafted so that wood joins wood with iron skillfully woven in to reinforce and will probably be still be standing in 2093. At the bow, we find part of *Lucerne's* main deck still stands, with the capstan and windlass in place. Chain hangs down below the deck; swaying gently, eerily.

We spend the rest of the dive exploring the bow. The weather holds, and after a short surface interval we visit the stern. Remarkably intact, the aft end rises off the bottom supported by her keel; we swim under her hull until we come out at her stern. It, too, has lasted more than 100 years underwater surprisingly well. As Julie and I head back to the anchor, Larry calls to tell us the storm clouds have passed us to the west. We have ample air, so we decide to swim *Lucerne's* length one more time before leaving. As we do, it strikes me that *Lucerne* contradicts. She's so broken, yet so preserved. So little

remains of what she was, yet what she was is unmistakable. We say good-bye and end the dive reluctantly.

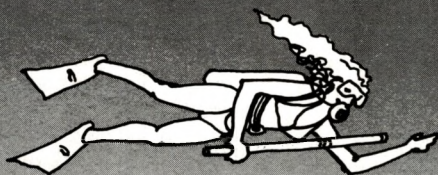
#### Visiting Lucerne

Lying in the shallow lees (about 20 feet max) of an island, *Lucerne* is not only a worthwhile dive for the serious wreck enthusiast, but also for the beginner. She's not too far from land, but she is a boat dive. Currents are seldom a problem, and she's out of the main boat traffic areas. There's enough structure to be interesting, but there's no real overhead environment where a diver could accidentally get lost or trapped. If you have Loran and a depth finder, she's not hard to find. On the other hand, like any Lake Superior wreck, weather and water conditions require constant vigil. Even in July, temperatures are cool (45°F to 55°F), requiring full wetsuits with hoods, or better, dry suits.

Lake Superior storms can sink ships, so a dive boat had better be sheltered  
(Continued on page 79)

# UM-1 Sea Stick

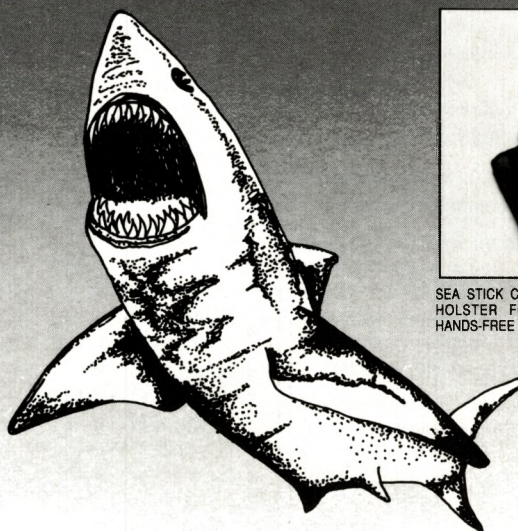
## The Ultimate Underwater Defensive Weapon



#### FEATURES:

- Quick loading eliminates the need to carry a loaded weapon. (The UM-1 can be loaded, fired and reloaded underwater in 5 seconds.
- 2 built-in independent safeties.
- Positive cartridge extraction eliminates jamming and the need for additional barrels.
- Compact - the unit is 26 1/8" assembled. The UM-1 separates into 2 halves, each 14" long, for holstering. The halves are securely held together by a stainless steel cable. Assembly is quick and positive utilizing a quick disconnect fitting.
- Lightweight - total unit weight is 13 oz.
- Non-slip handle
- Nylon quick draining holster holds the

- UM-1 securely in place on the leg allowing instant accessibility and hands free diving.
- The powerhead can be detached and is threaded to fit a 6mm spear shaft. Powerheads can be purchased separately.
- Calibers available: 38, .357 Magnum, .44 Magnum, .223
- Quality construction - all components are made from stainless steel and hard anodized aluminum for optimum corrosion protection. All parts are tested before assembly. All weapons are test fired to assure reliability.
- Low maintenance required
- Designed for minimum recoil
- Money back guarantee



SEA STICK CAN BE CARRIED IN A LEG HOLSTER FOR EASY ACCESS AND HANDS-FREE DIVING.

Order direct. Immediate delivery available from stock. Dealer inquiries welcome.

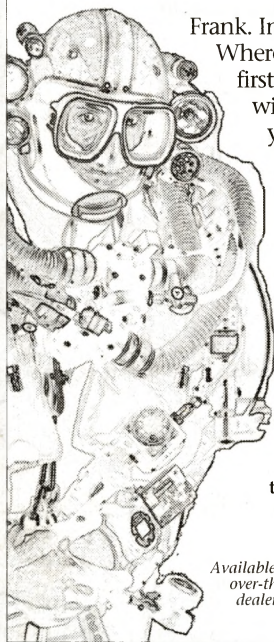


1-800-847-0714

Diving Equipment Corp. • 4811 Carnegie Avenue • Cleveland, Ohio 44103 • (216) 361-3669

# INCREASE YOUR DEPTH

Information is the key in today's emerging technical diving environment and *aquaCorps journal* is the primary source for over 7500 readers worldwide.



Frank. Informative. Where safety comes first, *aquaCorps* will provide you with a depth of information that few can match. How deep you take it is up to you.

**aquaCorps**  
PO Box 4243  
Key West, FL  
33041 USA  
tf: 800.365.2655  
p: 305.294.3540  
f: 305.293.0729

Available by subscription and over-the-counter by leading dealers around the planet.

## Technical Diving TRAINING



- **Deep Diving**  
(Progressive Levels to 220 fsw)
- **Recompression Chambers**
- **Dive Accident Management**
- **Mixed Gas & Nitrox**
- **Instructor Training**

**A proven commitment to safety, planning, operations and educational excellence.**

Professional training and systems with experienced staff • Fully insured • Our **Florida facility** offers diverse site conditions on excellent deep wrecks with consistent visibility and warm water • Air conditioned classrooms • State of the art equipment • Chamber dives standard for pre-dive evaluation

Course Director: **Bret Gilliam** • 22 years experience with military/commercial/scientific/technical diving training • World depth record holder (452 fsw) • Author (*Deep Diving, Mixed Gas Diving*) • Member Board of Directors for NAUI and IANTD • Over 12,000 dives logged career.



**OCEAN TECH**

HC 33, #7 Stonetree Rd.

Arrowsic Island  
Bath, ME 04530

207-442-0998  
fax 442-9042



F L O W I N G F R E E

## Why? Because it's the Rules!

**D**o you ever get the feeling that the guys making up some of the rules for diving are the same guys that got fired from the M&M factory because they threw away all the "W"s? If that makes sense to you, then we have a cabinet post for you in the Ministry of Silly Diver Practices.

Here's a classic. In the early 1970s I was staffing an instructor training program and was evaluating several candidates who were demonstrating mask clearing technique. One guy launched into this discourse, "Roll over and blow air from your nose to allow the water to drain out the side of the mask."

"But," I queried, "wouldn't it be easier to look up and drain the mask from the bottom where the water will be more naturally channeled?"

"No," he quickly shot back. "I was trained to do it that way."

"Well, why? Does it make any sense?" I countered in my best Socratic teaching style.

A funny look came over his face and he admitted he had never really thought about it since his own instructor was an ex-UDT diver who knew everything. It turns out that his well-meaning mentor had taught him that way because he learned to dive on a double hose regulator and in order to clear the mouthpiece if it flooded, you had to roll on your side and get the exhaust hose to the lowest point. He was taught to clear his mask in that position since his instructor figured if your regulator had fallen out then your mask might have gotten dislodged as well. The technique made sense in its era, but with the advance of the single hose regulator, equipment evolved beyond the 1960s.

Inquiring minds might have some fun with a look at some of the more popular "Ten Commandments" in use today:

• **Always be back on board the dive**

**boat with a minimum of 750 psi.** Why? Can you cash in that for credit at the Air Fill Bank & Trust? Since we all now should know the significant benefit of safety stops, wouldn't it make more sense to suggest arriving at the decom bar or the anchor line at about 15 feet with 750 psi remaining? Then use the air for a nice five to seven-minute safety stop. As long as you don't drain the cylinder there is no chance of getting water in it, and that's more than enough reserve for a good hang and then to comfortably surface. Why waste 25 percent of your air? Use it under water.

**Always put your weightbelt on last.** This is a holdover from when most horsecollar style BCs had crotch straps, or tank harnesses were so complex that you had to be the Lord of the D-Rings to get adjusted. Most modern BCs have no crotch straps to potentially foul the weight belt, and the waist/chest strap is secured with buckle riding well above the hips. I put my weights on first and it makes donning the other gear far easier.

**Never put your mask on your forehead.** Why do divers feel compelled to apologize for this benign and common sense act? Sure, there are some circumstances when it's not appropriate like in the surf entries, but in most situations it is a logical place to put the mask while resting on the surface or swimming on your back. An easy one-handed motion restores it on the face quickly and you're back in business. Try that when your mask is pulled down over your neck. If you are a no-neck ex-football player like me that's an exercise in self-strangulation. Who cares where you place your mask as long as you remain in control of it. Lighten up, please.

**You are properly weighted if you float with a full breath and sink slowly when you exhale at the beginning of**

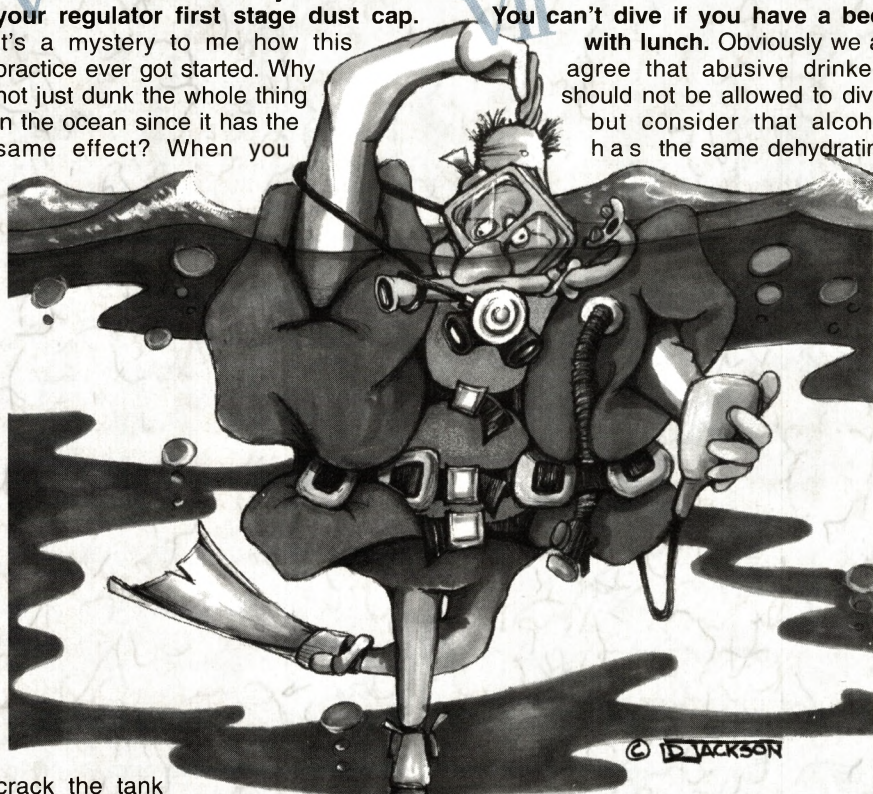
B Y B R E T G I L L I A M

**a dive.** Hey, anybody here ever heard of safety and/or decom stops? You want to be able to hover or maintain neutral buoyancy at the end of a dive to perform stops in the 15-foot depth zone. Your aluminum cylinder may gain as much as six pounds of buoyancy as the air is depleted. If you do your weight test with a full tank you'll end up hopelessly positive by the end of the dive. Make adjustments for neutral buoyancy with a nearly empty tank.

**Blow some air from your tank on your regulator first stage dust cap.** It's a mystery to me how this practice ever got started. Why not just dunk the whole thing in the ocean since it has the same effect? When you

snorkels these days are the size of nuclear exhaust chimneys and have sufficient drag to make you swim in a nice tight circle to the left. For a lot of divers attached snorkels don't allow the mask to seal comfortably. They tangle the hair, and several accidents have manifested when the snorkel (instead of the regulator) was placed in the mouth during an emergency. And remember, most modern BCs are designed for surface swimming on your back, rendering a snorkel useless.

**You can't dive if you have a beer with lunch.** Obviously we all agree that abusive drinkers should not be allowed to dive, but consider that alcohol has the same dehydrating



crack the tank valve following a dive there is a fairly good amount of salt water trapped in the o-ring groove, which you immediately atomize into a salty grit forcibly coating the dust cap and then sealing that corrosive cocktail on your first stage. If you're really concerned about cleaning, dip it in fresh water or lick it off before replacing. That also saves a lot of needless noise from sudden tank blasts that the harried boat crew thinks was a burst disc or blown o-ring.

**Always wear a snorkel on scuba dives.** If you want to carry one in a pocket or on your leg, OK, but why would you want one attached to your head where it can distract you? Some

effect as the caffeine in soft drinks, coffee and iced tea. The effect of moderate consumption of these beverages is of little consequence anyway. One beer may or may not effect your judgment, but physiologically two cups of java or a six pack of Cokes may wreak more havoc on your system than a half ounce of alcohol.

**The best entry is a giant stride with an inflated BC.** I guess it might make sense if you planned on bobbing around on the surface, but if your intent was to go diving under the water, why not just do a simple feet-first entry and continue right on with your descent. Most accidents manifest at the surface, it can be rough up there, and any surface wind or current tends to swiftly

*Dive Dive Dive*

## BARBADOS

- ▣ Daily Dive Trips — reefs, wrecks, drift, night and artifact dives
- ▣ 4-Day Certification Courses PADI/NAUI
- ▣ Dive Packages with Accommodations
- ▣ Personalized Service with Barbados' oldest and most professional dive shop

**THE DIVE SHOP LTD.**

Call or Write:

P.O. Box 44-B

St. Michael, Barbados, W.I.

**800-796-2646** (Direct to Barbados)  
(809) 426-9947 • Fax (809) 426-2031

## Moore Tours Knows the Cayman Islands Best.

As one of the largest and oldest tour operations on the Islands, **Moore Tours** answers all your needs for air arrangements, accommodations and diving services...All at the best affordable prices.

- Special monthly dive group departures
- Choose a luxurious beachfront condo
- Stay with dive crowds at comfortable lodges
- Dive from a live-aboard boat
- Non-stop charters from Dallas



YOUR RESERVATION AGENT IS A CERTIFIED DIVER

**MOORE TOURS**

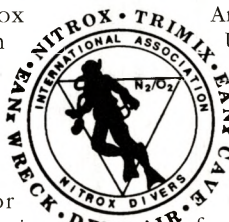
*A First Family of Travel Company*

11910 Greenville Ave. • Suite 208 • Dallas, TX 75243  
Fax (214) 480-8634 • (214) 907-0195

**800/527-6366**

# Dive Safe, Dive Fun, IANTD is for Everyone!

Join the founding Nitrox and Technical organization for recreational divers—The International Association of Nitrox & Technical Divers.



Diver and instructor certifications are available in EAN Nitrox; Advanced Nitrox; Nitrox Technical; Trimix; Deep Air; Advanced Deep Air; Technical Deep Air; Gas Mixing; EAN and/or Air Overhead Environment; Cave and Wreck Penetration Diving.

Annual Membership Dues: \$40 US/\$50 International. Includes subscription to the IANTD Journal which is published quarterly.

To receive an international listing of IANTD facilities and instructors, send \$5.75 to IANTD World Headquarters, 1545 N.E. 104th Street, Miami Shores, FL 33138-2665.

Check, Money Order, VISA and MasterCard accepted.

**305-751-4873 • Fax 305-751-3958**

**Dive!**  
Where Your Dreams Take You

## The Bahamas

*Our Islands Will Amaze You.*

7 nights in the Paradise of Your Choice

New Providence – 24 boat dives! – \$760

Nassau – shark diving! – from \$595

Bimini – 21 boat dives! – \$704

Stella Maris – 12-18 boat dives – \$695

Walker's Cay – MAP, 18 dives – \$1110

Andros – All Inclusive – \$1260

**Caribbean Adventures**

1-800-934-DIVE

## SCUBA DUBA

DIVING UNDERWATER BREATHING ATTACHMENT



- ★ The fast and simple way to secure any pony tank, light or other device to your scuba tank.
- ★ Detaches easily for quick pony tank removal and replacement.
- ★ Requires no tools or permanent attachments to your scuba tank.
- ★ Economical.

TO ORDER: SEND \$29.95 + \$2.50 SHIPPING & HANDLING FOR EACH ITEM TO DIVE INC.  
1 S. Central Ave., Valley Stream, NY 11580 • (516) 872-4571  
NY Residents add sales tax

## Professional Scuba Association, Inc.

offers:

### Extended Range Diving Program

Including: Deep Diving to 300' on air

#### P.S.A. Deep Air Diving Levels:

Level I — 100'	Level II — 130'	Level III — 150'
Level IV — 180'	Level V — 200'	Level VI — 240'
	Level VII — 300'	

#### Other Technical Courses Include:

Nitrox                      Technical Nitrox                      Trimix  
Cavern                      Cave                      Oxygen First Aid  
Instructor Courses Available

*Come Dive the depths at Hal Watts' Forty Fathom Grotto, P.S.A.'s Exclusive Advanced Training Facility.*

#### The Professional Scuba Association, Inc.

9487 N.W. 115th Ave. • Ocala, FL 32675

Phone: (904) 368-7974

Fax: (407) 896-4542

carry you away from the entry point. Say your good-byes before stepping off and get on with diving.

**Decompression diving is more dangerous than no-decompression diving.** Sorry to burst the bubble (no pun intended), but this doesn't measure up for several reasons. First of all, all dives are decompression dives since the ascent rate is factored in as part of the decompression even on no-stop profiles. Secondly, divers can employ a wide variety of table or computer physiological models than will have different no-stop limits as a matter of proprietary design. The navy tables use 60 feet for 60 minutes as a no-stop model while the Buhlmann based Micro Brain Pro Plus computer uses only a 44-minute exposure for the same depth. If the computer dictates a stop based on a square profile, can anyone seriously argue that diver is more at risk given his conservative exposure by comparison? Finally, if you run any decompression model up to its limit but stay just outside the required decom zone and ascend directly to the surface, you will find, in most cases, that this diver will have more sub-clinical decompression stress (detectable by Doppler) than the diver who went ahead and planned a dive that required stops but allowed a more complete and thorough outgassing.

#### You can't get bent on one tank.

With single cylinders now available boasting volumes in excess of 200 cubic feet, you can now have the luxury of bending yourself several times on one tank if you like. Even with single 50-foot cylinders, I know dive guides who can get a couple of wall dives out of one and still have enough left over to blow up the flat tires on their rusted-out jeeps.

We can see that a few sacred cows continue to moo long after their milk ran dry. A healthy dose of common sense goes a long way. If the emperor wears no clothes or if your dive guide seems to have neglected to don his intellectual wetsuit, then say so. We all benefit from lively discussion.

*Bret Gilliam, president of Ocean Tech, is a 23-year veteran of the professional diving industry whose operations have conducted over 200,000 dives for the public. He is vice chairman of NAUI's board of directors and vice president of IANTD. He is editor of Advanced Diving Journal.*

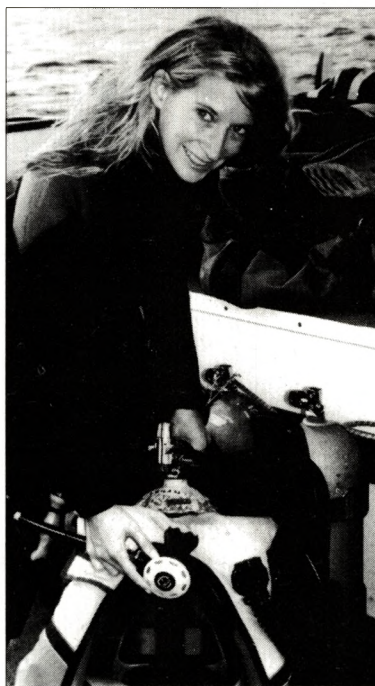
(Continued from page 75)

when one hits. Always check weather reports and leave someone aboard to recall divers if the weather sours; it can change in minutes. The dive season is short, usually late spring to early fall. Virtually all divers visiting the Apostle Islands and *Lucerne* sail from the Bayfield, Wisconsin area. Bayfield is a small resort community that caters primarily to boaters and anglers. This idyllic, out-of-the-way community with small town charm also has an excellent dive store. The easiest way to find *Lucerne* is to go with a charter. If you have a boat with Loran and a depth finder, her coordinates are 32434.6, 46234.9. The bottom is flat and unobstructed there, so you'll find her in short order with the bottom machine. Don't worry—you'll know when you pass over her. If your boat draws more than three or four feet, go slow and be careful for the keelson break. (Note to Loran users: You can pick up four Loran stations in the vicinity of *Lucerne*; use only the two that give you those numbers. If you use other stations, you'll be off position and you'll have to search longer to pinpoint her.) Before you head out, though, you'll need a permit to dive from the National Park Service. There's no charge and you can get one at Park Headquarters Visitor Center in Bayfield, or up the coast at Little Sand Bay Visitor Center. To complete the permit, you'll need to provide the names of all divers, boat name, registration and type and the sites you plan to visit.

If you're at the Little Sand Bay center, you'll see carefully preserved *Lucerne* artifacts on display. These, and artifacts at Canal Park Marine Museum in Duluth, Minnesota, remind us that while *Lucerne's* history lies in the lake's hands, her future lies in ours. As is every Apostle Island shipwreck, today *Lucerne* is protected. It is illegal to remove anything from the wreck. This is important because she'll be a wreck worth diving only as long as enough remains to reveal the proud schooner she was, and the tragic fate she met. Lake Superior claimed *Lucerne* at its whim. Then, it preserved her against the ravages of time. How ironic that for all its power, Superior cannot preserve *Lucerne* against the ravages of man. That, we must do.

*Karl Shreeves is PADI's manager of technical development and a contributing editor for Scuba Times Magazine.*

## With NAUI, you're not only certified... you're qualified!



*Some people believe that knowledge is a dangerous thing. Not NAUI. NAUI divers participate in the most comprehensive recreational advanced scuba training program available today...a program designed to make them safer and more competent in the water.*

*With a challenging mix of academic study and in-water skills development, graduates of the NAUI Advanced Scuba Diver program are not only certified...they're qualified.*

*To learn more about our commitment to your quality scuba education, look for the NAUI logo in your Yellow Pages or write: NAUI, P.O. Box 14650, Montclair, CA 91763 for a list of NAUI instructors in your area.*

## When You Earn This



## You Qualify For This



## The Two Most Recognized Scuba Certifications In The World YMCA Scuba

6083-A Oakbrook Parkway, Norcross, Georgia 30093, (404) 662-5172

# Kayak Diving

## The wave of the future?

**W**e are totally immersed in the sights, sounds, and smells of nature as our kayaks glide silently across the crystal blue waters. A gentle breeze carries the sweet scent of tropical foliage, fueling some primal inner fire with the energy to propel our craft through a wilderness which has

changed little since ancient times. Suddenly, the water erupts as dolphins herald our arrival with acrobatic leaps. A long, rounded nose and large, dark eye appear, curiously seeking clues to our intent. With an untranslatable whistle, the scout slips quickly away, teasing us with her effortless mobility. Taking their greeting as an invitation, we stop paddling, slip over the sides of our kayaks, don our scuba gear, and descend to join them in their world.

Such alliances with nature are the norm, not the exception in the exciting cross-sport of kayak diving. Increasingly, divers are recognizing their obligation to be responsible stewards of the aquatic environment. Kayak diving perfectly exemplifies that stewardship in its use of a human-powered, minimal-impact vehicle. It offers the diver freedom to observe, select, and enter the underwater world with the least possible disturbance of its natural inhabitants—an unparalleled dimension of respectful intimacy with the aquatic environment both above and below the water's surface. This is eco-diving in its most pure and simple form.

If you have known the frustration of ducking behind a coral head to let a churning cloud of marginally competent dive tourists pass or of trying to be patient while waiting behind 30 other divers for your turn to step off a dive platform, rest assured there is an alternative. The personal dive craft (PDC) allows uncrowded diving in remote locations often inaccessible by larger, motorized dive craft. Capt. Stephen J. Mallerich, owner of Monterey Bay Dive Center, points to Monterey Bay as a perfect example. "With the long-awaited designation of Monterey Bay and the rugged coast

surrounding her as a National Marine Sanctuary, kayak diving takes center stage for providing access to the sanctuary's many remote locations," says Mallerich.

Being a kayak diver requires more than having dive gear and a kayak. In combining two technical sports, kayak

diving presents its own unique challenges. Though not generally a prerequisite to a specialty course, it is desirable to have paddling experience before you begin. Think about it. It makes sense that you would learn to operate a motor boat safely before venturing into open water. Your PDC is really no different. Become a competent kayak captain. Most certification agencies require or recommend you be an advanced diver before taking kayak diving. The accomplished kayak diver will also have a working knowledge of boatmanship and general seamanship.

Kayak diving does not require you to be a serious athlete, but it does necessitate transporting yourself under your own power. You should be fit enough to make the dive plus the trip to and from your dive site without undue fatigue.

The marriage of scuba diving and kayaking was made possible by the production of the open deck, polyethylene kayak. The open deck design more closely resembles a sea kayak than a whitewater model. This unique design allows easy deep water exit and re-entry, is extremely stable, and provides storage for scuba gear. If used for diving, the boat must be self-bailing, incorporating some type of drainage holes in the cockpit area

to minimize the collection of water. They don't keep you completely dry, but neither does scuba.

To insure the safe utilization of the kayak for diving, the kayak diving specialty course was developed. Included is instruction in basic paddling and boat-handling techniques, boating "rules of the road," seamanship, handling scuba gear in the PDC, securing the PDC during a dive (anchor-



**Round 'em up, move 'em out. Kayak diving is gaining popularity with divers who want to hit sites that can't be reached by swimming.**

ing, tying off, and tethering), environmental challenges, basic and self rescue, and environmental awareness. The course utilizes classroom, confined water, and open water training sessions, usually conducted over three to four days. Some locations offer a short kayak diving resort course which provides a guided experience but does not lead to certification. All of the major certification agencies have now approved the kayak diving course.

The specialty course prepares the kayak diver for standard conditions and environments. The trained diver then refines paddling and gear-handling skills as a springboard to utilizing the kayak for more advanced kayak diving activities such as surface supplied air, deep, current, solo, rescue, spear fishing, marine research, etc.

Clark Ross, director of the American WaterSports Association, the originator of kayak diving training, says he has witnessed tremendous growth in kayak diving since he began actively advocating for the sport six years ago. "At first, people laughed and wondered how I was going to get the kayak under water. Now, a growing number of resort destinations and dive shops offer kayak diving or use open deck kayaks for open water support. Some live-aboards even carry the kayaks with them," reports Ross. However, its true allure is that kayak diving can be done virtually anywhere. The PDC is light, durable, and easily handled by one person. It opens doors to diving where little or none existed before—lakes, rivers, remote bays, rugged coastlines. Says Ross, "We are no longer restricted to places where the commercial dive boats will take us."

Technology and simplicity, challenge and repose, above and below; at either end of the continuum, kayak diving has something to offer. All you need supply for the experience of a lifetime is the spirit of exploration and respect for the aquatic world.

For more information on kayak diving, contact the American WaterSports Association, 2313 Shady Willow Ct., Bedford, TX 76021, (817) 354-8996.

*Jean Henry is a reformed whitewater kayaker. She is an instructor trainer in scuba, open deck kayaking and kayak diving. She developed the first curriculum for kayak diving, including specialty through instructor training.*

# KAYAK DIVING BAYMAN BAY CLUB

Guanaja • Bay Islands • Honduras

Introducing the  
**SALISH OPEN-DECK KAYAK**

1-day, 2-day or 3-day  
courses - \$75-\$200



7-night package \$775

Excluding air and 7% govt. tax. (Until 6/8/94)

**Your Kayak Diving Adventure Awaits You!**

**1-800-624-1823 or 305-370-2120**

Refer to Kayak Diving article, page 80

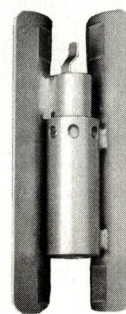
**NEW  
FROM  
SAFE DIVE, INC.**

## SAFE-T-MATE

THE ONLY INTEGRAL POSITIVE QUICK  
LOCK & RELEASE SYSTEM

### Featuring:

- Three preset locking positions
- Very low profile for specialty diving
- All heavy duty stainless steel construction for superior strength
- No removable pins to lose or pull out
- Fits all main tank and pony bottle sizes
- No additional stabilizers needed
- Usable for battery, lights & video equip.
- **Lifetime limited warranty**  
(Kit contains 2 female units, 1 male unit, and 6-100% stainless steel bands & covers.)



INT'L. & U.S.  
PATENT PENDING

Call or write to: (516) 623-6225 • P.O. Box 599 • Rockville Centre, NY 11570

**"If You're Not  
Going to Do It  
Right, Don't Do  
It At All."**



Dan Burton

- **Billy Deans**  
Pres. Key West Divers Inc.  
Deep Sea Technologies  
Vice President I.A.N.T.D.

We are committed to your safety and performance in the depths and duration of technical diving. Key West Divers Inc. was the world's first Technical Diving Center and still leads the way —

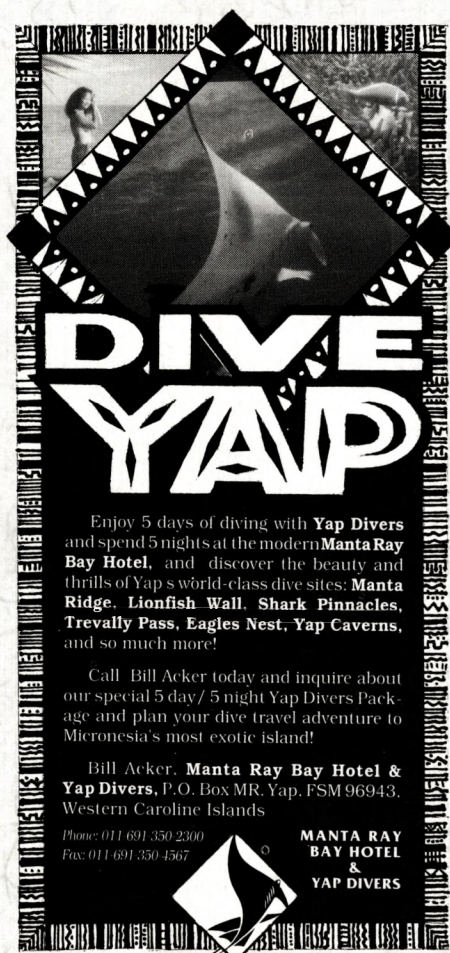
- Complete Technical Diving Center - sales, service, gas fills, equipment rental
- All levels of technical diving education from Deep Air through Special Mix
- Instructor and Instructor Trainer programs
- U.S.D.W.D.T. - Rapid Responding Self-Contained Mobile Dive Team for insurance, light salvage, recovery, archeological surveys, photographic and videographic services

Write for course catalog/class dates and U.S. Deep Wreck Diver Decal:  
MM 4.5 US1, Stock Isle • Key West, FL 33040 • 305-294-7177



**OCEAN MANAGEMENT SYSTEMS**

**I.A.N.T.D.  
TRAINING FACILITY**



**DIVE YAP**

Enjoy 5 days of diving with **Yap Divers** and spend 5 nights at the modern **Manta Ray Bay Hotel**, and discover the beauty and thrills of Yap's world-class dive sites: **Manta Ridge, Lionfish Wall, Shark Pinnacles, Trevally Pass, Eagles Nest, Yap Caverns**, and so much more!


Call Bill Acker today and inquire about our special 5 day/ 5 night Yap Divers Package and plan your dive travel adventure to Micronesia's most exotic island!

Bill Acker, **Manta Ray Bay Hotel & Yap Divers**, P.O. Box MR. Yap, FSM 96943, Western Caroline Islands

Phone: 011 691 350 2300  
Fax: 011 691 350 4567

**MANTA RAY BAY HOTEL & YAP DIVERS**

**Learn U/W Photography with Jim Church**



**Learn with the world's most patient instructor. Jim can help you master any model camera, 35mm or video.**

**Feb 12-19: Belize Aggressor**  
**Jun 5-12: Palau Aggressor**  
**Jun 12-22: Truk Aggressor**  
**July 2-9: Cayman Aggressor**  
**Jul 30-Aug 6: Belize Aggressor**  
**Sep 17-24: Turks & Caicos Aggr.**  
**Oct 16-23: Palau Aggressor**  
**Oct 23-Nov 2: Truk Aggressor**  
**Nov 14-24: Okeanos Aggressor**  
**Dec 1-8: Galapagos Aggressor**

**Call 800-348-2628, or 504-385 2628**  
**Fax: 504-384-0817**

# Club Scuba Times Makes Its Debut

**T**his year, *Scuba Times Magazine* is celebrating our 15th Anniversary. To make it an even more special year, we're giving our readers a chance to join the club. What club, you might ask? **Club Scuba Times.**

Membership into **Club Scuba Times** is for serious divers who have a desire to look deeper into the diving world. A small membership fee entitles club members to hundreds of dollars of benefits that are unavailable anywhere else.

As an exclusive member of **Club Scuba Times** you'll get a one-year subscription to the magazine right off the bat. In addition, we'll send you an attractive 100 percent cotton, **Club Scuba Times** T-shirt, two *Scuba Times* hammerhead shark stickers and your personalized, laminated membership card. You'll also get a 1994 Divesuit Calendar, which was shot in Costa Rica during our divesuit photo shoot.

In addition to the valuable *Scuba Times* gifts, you'll begin receiving priority data for up-coming *Scuba Times* Expeditions. These specialty expeditions are organized exclusively by *Scuba Times*. They are not available anywhere else. For example, our 1994 Expeditions will visit the sperm whales of the Azore Islands, the great white sharks of South Africa and the fur seals under the Canadian ice cap. These exciting, exploratory expeditions will be the subject of future articles in the magazine. You have the chance to be a part of these expeditions and have your photographs published in *STM*.

To assist you in general dive travel, **Club Scuba Times** members will receive priority discounts on international travel as well as discounts on dive insurance. If you take one trip per year, your savings will cover your membership fee and dive insurance. You'll also receive insider information and travel tips to the Caribbean and the rest of the world.

Finally, to keep you informed with the truth about dive travel, dive equipment and diving in general, you'll automatically be registered for three free issues of *Undercurrent* or *In-Depth* (your choice), two nonsense newsletters about diving. These newsletters provide straight talk about diving and accept no advertising.

If you're into diving, you need to be in the club. It's only a \$25 membership fee to receive hundreds of dollars in benefits. Come with us to the inner world of diving. Join **The Club** today.

To join, simply send \$25 dollars today to: *Scuba Times*, 33 Music Square West, Suite 104A, Nashville, TN 37203—you'll begin receiving your benefits now!

## MEMBERSHIP ADVANTAGES

\*Free 1-year subscription \*Travel coupons \*Equipment coupons  
 \*Divesuit Calendar \*Priority on *STM* Expeditions \*Three free issues of *U/C* or *In-Depth* \**STM* Sticker \**STM* T-Shirt \**STM* Pocket Calendar  
 \*Special Rates on Dive Insurance  
 \*Insider tips for Travelers to the Caribbean

### Nitrox in Monterey

Aquarius Dive Shop of Monterey, California, is now dispensing nitrox up to 40% oxygen at the Del Monte facility. Currently, Aquarius has NOAA Nitrox I (32% oxygen), NOAA Nitrox II (36% oxygen), and 40% oxygen blends available.

The Monterey Bay National Marine Sanctuary is an average of 60 feet deep, and the water temperature averages 52°F, making Monterey ideal for nitrox divers.

Aquarius is a qualified ANDI (American Nitrox Divers International) training and technical facility. Both full user and limited user courses are being scheduled. For more information call (408) 375-1933.

### New Jersey Up Line Reel

Aqua Explorers Inc. have developed a simple Up Line Reel for divers who get disoriented on the bottom and cannot find their way back to an anchor line. The reel holds over 200 feet of a strong 5/16 inch hemp line.

Divers carry the reel on their tanks with a bungee cord. When needed the diver sends up the loose end with a small lift bag while paying the line out. Once the lift bag hits the surface the diver ties the up line to the wreck, cuts off the reel and ascends up the newly created mooring line. Safety stops can easily be made on the line too. And, since the hemp line is biodegradable and quickly deteriorates no harm is caused to the environment. For more information call (516) 868-2658.

### Pocket-Sized Doppler Available

Underwater Applications Corporation, a New England based diving equipment specialist, has obtained exclusive rights to market the Huntleigh Dopplex to the diving community. The units, known as dopplers, use high frequency sound waves (ultrasonics) to detect gas bubbles in the blood stream.

Routinely used by physicians to detect fetal heart sounds and to screen for vascular disease, the pocket-sized unit is ideal for the serious diver. Models start as low as \$600. For more information call (508) 433-6586.

**\*RATED 1 OUTSTANDING OVERALL!**

**THERE ARE SO MANY...**

different people, places, and ways of diving that no ordinary regulator will suffice for them all. That's why Zeagle's TECH-50D exceeds US NAVY performance standards and is completely environmentally sealed with a dry seal (not an air bleed or messy silicon) to resist freezing and contamination. Rated #1 outstanding the TECH-50D excels in normal, demanding, and extreme conditions. Now, for all the different people, places, and ways...

**...THERE IS ONLY ONE**

**Zeagle**



The optional DIN to yoke converter, enables you to dive your TECH-50D on most any tank.



Firststage with 300 bar DIN fitting (shown) or standard Yoke.

\*Scuba Diving Magazine June '93.

(813) 782-5568 Fax (813) 782-5569

## WILD DOLPHIN ENCOUNTERS

ADVENTURE VACATIONS IN THE BAHAMAS

ABOARD THE MV DREAM TOO

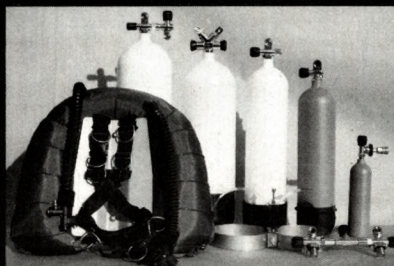


REASONABLE RATES  
SMALL GROUPS  
7-DAY ALL INCLUSIVE

**DREAM TEAM INC.**  
P.O. BOX 033271 INDIALANTIC, FL 32903  
**800-741-5335**

## STOP Hi Pressure STRESS

WITH OMS' NEW LINE OF LOW PRESSURE HI VOLUME CYLINDERS & SPECIALTY DIVE EQUIPMENT



#### BCD

Dual bladder, single-bag redundancy. 80 lbs. + lift. Trim adjustable and retractable.

#### VALVES

Modular, DIN/K convertible single, Y, H and manifold styles. Viton O-rings and O2 grease.

#### CYLINDERS

4130 Chrome Moly. D.O.T. 3AA approved. Neutral in salt water and O2 clean.

#### BACKPLATE, BANDS HARNESS SYSTEM

Stainless steel or ABS backplate with deluxe quick-release harness system. Stainless steel bands.

**OMS INC.**

P.O. BOX 146 • MONTGOMERY, NY 12549

TEL. 914 / 457-1617  
FAX 914 / 457-9497



Join us for the diving holiday of a lifetime on our live-aboard sailing yachts off the coast of Thailand and Burma.

For an extra special adventure, join the only diving company with charter experience in the ANDAMAN ISLANDS, the Indian Ocean's newest frontier.

P.O. Box 15, Patong, Phuket  
Thailand 83150

**Fax 66 76 340586**  
**Ph 66 76 340406**



## Train with Tom Mount

## Benefit from 35 yrs of experience

**11,000+ LOGGED  
DIVES INCLUDING:**

- 2300+ cave dives
- 1100+ wreck dives
- 2200+ dives deeper than 200 FSW
- experienced saturation diver

**AUTHOR OF  
SEVERAL TEXTS  
INCLUDING:  
Safe Cave Diving,  
Practical Diving and  
Mixed Gas Diving**

## Quality Diver Education

- IANTD Certification and Instructor Training
- Nitrox/ Advanced Nitrox/ Technical Nitrox
- Deep Air/ Advanced Deep Air
- Technical Deep Air
- Trimix
- Cave
- Wreck Penetration
- Photography
- *Modeling with Patti Mount*

1545 NE 104 St. Miami Shores, FL 33138 USA

**305-754-1027**

# ADVERTISER LISTING

INFO CARD #	PAGE NO.	INFO CARD #	PAGE NO.
802—ABACO TOWNS BY THE SEA .....	89	814—PACIFIC COAST ADVENTURES .....	58
670—ADVENTURES EXPRESS .....	46	035—PARKWAY SYSTEMS .....	13
008—AGGRESSOR FLEET .....	41	861—PELICAN PRODUCTS, INC. ....	55
579—AGUILA DE OSA INN .....	65	341—PELICAN WATERSPORTS .....	21
874—AIR MAURITIUS .....	35	572—PETER HUGHES .....	47
419—AMPHIBICO, INC .....	57	819—PHANTOM SOFTWARE CO .....	88
671—AQUA CORP .....	76	783—PREMIER DIVE CASE .....	87
757—AQUA QUEST .....	65	245—PROFESSIONAL SCUBA ASSOCIATION .....	78
324—AQUA QUEST PUBLICATIONS .....	89	703—QUEST MARINE VIDEO .....	8
044—AQUA VISION SYSTEMS .....	64	662—R & R DATAQUEST .....	47
653—ARUBA PALM BEACH .....	21	037—RAMON'S VILLAGE .....	8
597—ARUBA PRO DIVE .....	21	187—RED SAIL SPORTS .....	9
596—ARUBA SCUBA CENTER .....	21	900—REEF SCUBA ACCESSORIES INC .....	73
339—ARUBA TOURISM AUTHORITY .....	21	451—S.E.A. SCUBA .....	21
884—ATLANTIC ENGINEERING COMPANY .....	39	882—S.S. THORFINN .....	50
030—BARBACHANO TOURS .....	7	774—SABA DEEP DIVE CENTER .....	6
003—BAYMAN BAY CLUB .....	81	738—SAFE DIVE INC. ....	81
840—BEACH LOCK .....	89	498—SAN PEDRO HOLIDAY HOTEL .....	28
645—BELIZE TRADEWINDS .....	22	131—SCUBA CHECKS .....	89
655—BLUE BONNETT TOURS/TACA AIRLINES .....	32	832—SCUBA D.U.B.A. ....	78
501—BLUE MARLIN LODGE .....	29	617—SEA & SEA CAMERA .....	61
477—BRAC REEF BEACH RESORT .....	64	772—SEA SABA .....	6
599—CAMERA TECH .....	89	379—SEA STICK .....	75
773—CAPTAIN'S QUARTERS .....	6	111—SEA SAFARIS .....	39
598—CARADONNA CARIBBEAN TOURS/SABA .....	6	833—SILVERSTAR JEWELERS .....	88
668—CARIBBEAN ADVENTURES .....	78	622—SOUTH EAST ASIA DIVERS .....	84
473—CAYMAN DIVING LODGE .....	87	811—THAILAND TOURISM AUTHORITY .....	11
114—CHRIS SAWYER DIVING CENTER .....	12	731—THE DIVE SHOP LIMITED .....	77
485—CITIZEN WATCH CO. ....	2	631—TOM MOUNT .....	84
229—CLAVELLA ADVENTURES .....	33	879—TRAVEL BELIZE .....	34
816—COKI BEACH DIVE CLUB .....	12	258—TRIMARINE BOAT COMPANY .....	39
049—CORAL BAY CRUISES .....	55	876—TROPICAL ADVENTURES .....	15
580—COSTA RICA TOURIST BOARD .....	35	124—TROPICAL ADVENTURES .....	40
693—CURAÇAO HOTEL ASSOCIATION .....	17	304—TROPICAL TRAVEL .....	33
011—CURAÇAO TOURIST BOARD .....	23	878—TURNEFFE FLATS .....	26
642—DAN .....	93	361—TUSA .....	3
880—DAX DIVERS .....	21	TUSSEY U/W SYSTEMS .....	54
373—DIVE ABACO .....	71	537—UNDERWATER PHOTO-TECH .....	65/88
213—DREAM TEAM/DREAM TOO .....	83	877—VICTORIA HOUSE .....	28
402—EAST COAST PLASTICS .....	89	776—WILSON'S DIVE SHOP .....	6
815—GALAPAGOS AGGRESSOR .....	45	771—WINDWARD ISLAND AIRWAYS .....	6
176—GO DIVING, INC. ....	34	871—WINDY HILL COTTAGES .....	27
684—GOOD TIME DIVER II .....	89	677—YAP DIVERS/MANTA RAY BAY .....	82
063—HARVEY'S SKIN DIVING SUPPLIES INC .....	103	126—YMCA .....	79
283—HEAD SPORTS, INC. - MARES .....	104	569—ZEAGLE SYSTEMS, INC .....	83
630—IAND .....	78		
803—IDE/SEA SURVEYER .....	34		
732—IKELITE UNDERWATER SYSTEMS .....	59		
315—INDIES SUITES .....	58		
INTERNATIONAL EXPEDITIONS .....	26		
018—J.W. FISHERS .....	88		
JIM CHURCH .....	82		
775—JULIANA'S .....	6		
691—KADUSHI CLIFFS .....	23		
839—KEY WEST DIVER .....	81		
517—LIVE DIVE HAWAII .....	66		
620—LOW KEY WATERSPORTS .....	12		
499—MANTA RESORT .....	32		
723—MARUBA RESORT .....	33		
533—MATAGI ISLAND RESORT .....	39		
475—MOORE TOURS .....	77		
847—MOST ATLANTIC, INC. ....	73		
168—NAUI .....	79		
687—NAUTILUS DIVE RESORT .....	88		
O'MALLEY & ASSOCIATES .....	71		
767—OCEAN MANAGEMENT SYSTEMS .....	83		
OCEAN TECH .....	76		
724—OCEAN TECHNOLOGY SYSTEMS .....	57		
PDIC .....	73		
		DIVE TRAVEL DIRECTORY .....	90-92
		260—ANSE CHASTANET BEACH HOTEL .....	
		842—BOLDER ADVENTURES .....	
		216—BONNE TERRE MINE .....	
		813—DIVI HOLIDAYS .....	
		660—DOCKSIDE TRAVEL & TOURS .....	
		621—FANTASEA DIVERS .....	
		179—ISLA MIA .....	
		716—MAYAN COAST EXCURSIONS .....	
		755—NEKTON DIVING CRUISES .....	
		807—PELICAN'S PERCH .....	
		883—PULAU SIPADAN RESORT .....	
		191—SAM MCCOY'S .....	
		388—SMALL HOPE BAY LODGE .....	
		809—TC CHARTERS .....	
		439—TAVERNIER DIVE CENTER .....	
		801—TRI. M. TRAVEL .....	
		820—TUMBACO/QUASAR NAUTICA S.A. ....	
		503—UNDERWATER SAFARIS .....	
		386—WILDLIFE SAFARI .....	



## FREE DIVE INFO

Many advertisers in this issue will send you FREE information on their products.

Simply circle the numbers on the Dive

Info Cards to the right

that correspond with

the Info Card Num-

bers in the advertiser

listing on page 84

(see left) and drop the

reply card in a

mailbox.

Expires 7/94



# Dive Info Fast

82U

003	044	131	216	315	386	475	517	596	622	660	687	731	772	802	815	840	880
008	049	168	229	324	388	477	533	597	630	662	691	732	773	803	816	842	882
011	063	176	245	339	402	485	537	598	631	668	693	738	774	807	819	847	883
018	111	179	258	341	419	498	569	599	642	670	703	755	775	809	820	861	884
030	114	187	260	361	439	499	572	617	645	671	716	757	776	811	832	871	900
035	124	191	283	373	451	501	579	620	663	677	723	767	783	813	833	874	A
037	126	213	304	379	473	503	580	621	655	684	724	771	801	814	839	876	B

Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip Code \_\_\_\_\_

877 C

878 D

879

# Dive Info Fast

82U

003	044	131	216	315	386	475	517	596	622	660	687	731	772	802	815	840	880
008	049	168	229	324	388	477	533	597	630	662	691	732	773	803	816	842	882
011	063	176	245	339	402	485	537	598	631	668	693	738	774	807	819	847	883
018	111	179	258	341	419	498	569	599	642	670	703	755	775	809	820	861	884
030	114	187	260	361	439	499	572	617	645	671	716	757	776	811	832	871	900
035	124	191	283	373	451	501	579	620	663	677	723	767	783	813	833	874	A
037	126	213	304	379	473	503	580	621	655	684	724	771	801	814	839	876	B

Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip Code \_\_\_\_\_

877 C

878 D

879

**Subscribe now and receive three  
free months of Undercurrent**

☐ As a gift    ☐ For myself    ☐ For myself and as a gift

MY NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

RECIPIENT'S NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

☐ 6 issues (1 year) \$14.97    ☐ 12 issues (2 years) \$25.97    ☐ 18 issues (3 years) \$36.97

Foreign and Canada add \$5 for 1 year and \$10 for 2 years

☐ Payment enclosed    ☐ Bill me later    ☐ Bill my VISA card    ☐ Bill my MasterCard

Card # \_\_\_\_\_

Exp. date \_\_\_\_\_

Signature \_\_\_\_\_

**SCUBA**  
TIMES

**SUBSCRIPTION HOTLINE—(800) 950-7282**

**SAVE**  
**\$16.85**  
*On a 3-year subscription*

82U



NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES

## BUSINESS REPLY MAIL

FIRST CLASS MAIL PERMIT NO. 7368 NASHVILLE, TN 37204

POSTAGE WILL BE PAID BY ADDRESSEE

Scuba Times  
P.O. Box 40702  
Nashville, TN 37204-9905



NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES

## BUSINESS REPLY MAIL

FIRST CLASS MAIL PERMIT NO. 7368 NASHVILLE, TN 37204

POSTAGE WILL BE PAID BY ADDRESSEE

Scuba Times  
P.O. Box 40702  
Nashville, TN 37204-9905



NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES

## BUSINESS REPLY MAIL

FIRST CLASS MAIL PERMIT NO. 7368 NASHVILLE, TN 37204

POSTAGE WILL BE PAID BY ADDRESSEE

Scuba Times  
P.O. Box 40702  
Nashville, TN 37204-9905



DIVE  
INFORMATION

FAST

SUBSCRIBE

TODAY

AND SAVE

OVER 40% OF

THE COVER

PRICE

## SCUBAPRO MK15 REGULATOR, NOT A RECALL

In our January/February 1994 issue, we incorrectly reported a recall of the ScubaPro MK15 regulator. The announcement was actually an "Important Safety Notice." It stated the following, "If you own a MK15 Regulator, do not use it until it has been repaired. This involves all MK15 Regulators shipped from ScubaPro until 9/1/93. Discontinue use and bring to a ScubaPro Dealer . . . where it will be repaired at no cost."

MK15 owners should still follow the article's advice. However, the announcement was not technically a recall, it was a safety notice.

## OOPS, OUCH!

Everyday, we learn how astute our readers really are. And when we make an error you let us know. Boy, do you ever. We apologize for the incorrect Costa Rica Dive Info Chart in our January/February 1994 issue. The data listed was actually a duplicate of the Indonesian Info Chart in the same issue. No, Costa Rica's currency is not rupiahs and the language is not Malay. Following is the correct information for those of you who missed it.

## DIVE TRAVEL INFO COSTA RICA

**Location:** Central America, between Nicaragua and Panama

**Body of water:** Pacific and Caribbean

**Size:** 185 mi. X 300 mi.

**Population:** 3 million

**Languages:** Spanish, English

**Entry documents required:** U.S. passport

**Electrical current:** 110 volts

**Highest elevation:** 12,500 ft (Mt Chirripó)

**Airlines Servicing:** Continental, United, American, Aero Costa Rica and LACSA

## COSTS

**Exchange rate:** 130-140 colones = \$1 U.S.

**Cost of two-tank dive day:** \$60

**Departure tax:** About \$8

**Avg round trip flight from:**

**New York:** \$535 **LA:** \$480 **Miami:** \$330

## DIVING

**Water temp:** Winter 70°F Summer 82°F

**Avg U/W vis:** Coastal 30-70 feet yr round  
Cocos Island 80 ft yr round

**Air temp:** 80s°F year round

**E-6 Film Processing:** Yes

**Nearest recompression chamber:** Panama

**Top 3 dive sites:** 1. Cocos Island  
2. Caños Island  
3. Bat Islands

**Costa Rica Tourism:** (011) 506-238-423



## BEST DIVING IN THE CARIBBEAN

FROM **\$330<sup>00</sup>**  
p.p./dbl/occ  
DIVING, MEALS & LODGING

## GET AWAY FROM THE CROWDS

Return to the timeless charm of rural Cayman. With only 17 down-by-the-sea units, the Cayman Diving Lodge offers warm hospitality and our world of spectacular diving.



**CAYMAN DIVING LODGE**  
EAST END

**RESERVATIONS**  
**1-800-TLC-DIVE**  
**(404) 424-7500**

\*Hotel tax & service charge not included.

## STOP THEFT OR DAMAGE TO YOUR DIVE GEAR



25" X 14" X 10"; 2 SETS OF GEAR

with the CUSTOMIZED "PREMIER DIVE CASE"

Security to carry, transport, and protect your costly dive gear. \*Featured in "Skin Diver Travel Tips," your expensive gear merits the safe PREMIER DIVE CASE. Rugged, durable, yet professional in appearance. Strong polyethylene construction; dual key and combination locks for extra security; aluminum hardware-light-weight and strong; padded easy-to-carry steel handle; checks like your airline luggage; in your choice of blue or black. Please specify color and model when purchasing.

## ORDER TODAY

CALL 1-800-446-4910  
OR 1-407-452-0817

Model #186EPC	\$140.00
Model #2110EPC	\$169.00
Model #2510EPC	\$189.95

SATISFACTION GUARANTEED

PREMIER DIVE CASE CO. • 435 RIVERSIDE AVE. • MERRITT ISLAND, FL 32953

MANUFACTURED IN THE U.S.A. BY CHICAGO CASE COMPANY

## PUBLIC NOTICE UNCLAIMED FREIGHT

**Giant Heavy Duty  
4-MAN INFLATABLE BOATS**  
With OUTBOARD MOTORS

All boats are brand new, packed in original shipping cartons. Constructed of double thick hi-density fabric (resistant to abrasion, sunlight, salt & oil) 4 separate air chambers, for extra safety, with self locking safety valves, oar locks, bow lifting & towing handle and is approximately 9 1/2' long. All boats are recommended for ocean and fresh water. Limited quantity, first come, first served - **LIMIT** - 3 boats per address (no exceptions). If your order is received within the next 10 days, you will receive **FREE**, a hand/foot inflator/deflator. Regular cost \$327.00 - **Disposal Cost \$167.00**. \$9 handling: United Pacific Freight pays all shipping. All boats are accompanied with a **LIFETIME GUARANTEE** that they must perform 100% or you may return your boat for a complete refund. Send appropriate sum to: United Pacific Freight Warehouse #1561 16135 Leadwell St. Van Nuys CA 91406. For fastest service order by Visa or Master Card.

**CALL TOLL FREE**  
**1-800-637-6013**  
Have Credit Card Ready



- SOLID 14K GOLD OCTOPUS
  - SILVER 1 REALE Carlos & Joanna 1556 (1st coinage of the New World)
- \$314.00**  
REPLICA COINS AVAILABLE Starting at \$159

Many other Dive Jewelry Items available

**SILVERSTAR**  
THE NATURAL SOURCE™

CALL FOR FREE COLOR BROCHURE

**1-800-428-6898**

Overnight Shipping Available  
SATISFACTION GUARANTEED

2771-32 Monument Road, Jacksonville, FL 32225

## UNDERWATER PHOTO-TECH

Your Underwater Photo Service Center

- ✓Quality Repairs
- ✓Quick Turn-Around
- ✓Knowledgeable Staff
- ✓Free Estimates



Now servicing the new RS

16 Manning St. Suite 104  
Derry, NH 03038

(603)432-1997~ FAX(603)432-4702

*Come As A Guest...  
Leave As A Friend...*

## NAUTILUS DIVE RESORT • GUANAJA BAY ISLANDS

In crystal clear waters you'll discover large caves, dropoffs and shipwrecks. Experience the fantastic marine life at Blacktip Slumberland. Our personalized staff welcomes you in a resort with six rooms - 6 baths (some with AC). Superb cuisine, a full dive shop, 1,000 feet of sandy beach and tropical mountain trails are waiting for you.

*Affordable. No frenetic tourism.  
Just quiet excitement and relaxation.*

**Call For Details: 1-800-535-7063**



## INTRODUCING DIVE JOURNAL



The computer logbook for 100% compatibles using Dos

- Fast
- Easy
- SUPER LOW PRICE
- Why pay 4 times as much for the others!
- Never buy another logbook
- Make hard copies, show statistics and so much more!

Send: \$14.99 + \$2.00 S/H  
check or money order

To: **Phantom Software Co.**  
P.O. Box 428  
Hudson, NH 03051-0428

Include: Name, shipping address and disk size needed (5.25"/3.5")

\* Allow 2 to 3 weeks for delivery

## FIND IT!



**Pulse 8X**  
Most sensitive  
hand-held detector.  
For all metals.  
Just \$1,050

Find any metal object, underwater or on land, with the Pulse 8X - the leading edge in hand-held metal detectors. The Pulse 8X is rechargeable, will not give false readings on minerals, and comes with ulw and land earphones and handles. For details and pricing on more than 20 products, including the world's finest underwater search equipment, send for our **COMPLETE FREE CATALOG.**



**JW FISHERS MFG. INC.**  
65 ANTHONY STREET  
BERKLEY, MA 02779  
**1 (800) 822-4744**  
IN MA (508) 822-7330  
FAX: (508) 880-8949

## SCUBA MARKET ADVERTISING INFO

**Save 10% and get results.**

When you place your 1/6 or 1/12 page advertisement in Scuba Market, you'll get a 10% discount off the cost of your ad. Plus the Scuba Market is designed to attract attention to your product or service.

To find out how to save money on your ad and get results in Scuba Market, call 800-234-0060 and ask for an advertising representative.



## !!! 8 SCENES IN FULL COLOR !!!

Generic checks are for Generic People.

### SCUBA CHECKS ARE FOR SCUBA PEOPLE.

Now, each time you do the boring job of writing checks, you can relive your diving thrills with this all new series of eight exciting scenes from the underwater worlds of such famous photographers as Steve Botes, Howard Hall, Steve Frink and Doug Perrine, as they explore Pennekamp, Cozumel, Cayman and Bimini.

TO ORDER CHECKS - PLEASE ENCLOSE:

1. A check payable to Identify Check Printers. (U.S. Funds ONLY)
2. A voided sample check, or your present reorder form.
3. A deposit slip with all changes clearly marked.
4. The order form below completely filled out.

ORDERS SHIPPED VIA 3RD CLASS MAIL - ALLOW 2-4 WEEKS FOR DELIVERY. RESIDENTS OUTSIDE U.S.A., WILL BE INVOICED FOR ADDITIONAL POSTAGE.

IDENTITY CHECK PRINTERS BOX 818 PARK RIDGE, IL 60068

These top bound personal size checks are printed in full color. One part deposit slips and check register are included. Satisfaction Guaranteed!

### SCUBA CHECK ASSORTMENT

#### SINGLE CHECKS

□ 200 - \$9.95

□ 400 - \$17.50

#### DUPLICATES

□ 150 - \$12.95

□ 300 - \$22.50

STARTING NO. (If not specified, we will start checks at 101.)

ENTER AMOUNT FOR CHECKS  
SHIPPING & HANDLING \$1.00  
□ FOR PRIORITY DELIVERY, ADD \$3.50  
□ CHECKBOOK COVER, ADD \$1.00  
□ For Script Lettering, Add \$2.00

TOTAL

NAME

Daytime phone number: ( )

For your protection checks will be shipped to the printed address unless we are instructed otherwise.  
EST. 1946 - MEMBER, BETTER BUSINESS BUREAU - CHICAGO  
24 HR. Voice Mail: 312.992.0890

7-93

## BeachLock™ security systems



### Portable Security Systems for Divers

Secure your scuba equipment, inflatable and other valuables right to the beach. Installs easily on any beach. Patented anti-theft design works even in soft sand. Made in U.S.A. Quality stainless steel construction. System includes Beach-Lock™ security cable, TankLock™, sealed lock and nylon carry case. 30 day satisfaction guarantee.

Folding BeachLock™ system:  
catalog # BLS-101 - only \$299

Non-folding BeachLock™ system: catalog  
# BLS-101 - only \$249

Order toll free, 24 hrs a day,  
credit cards accepted

**800-294-9050**

or Fax 510-447-3558

Ayala Research Corporation

977 E. Stanley Blv., Ste. 288 • Livermore, CA 94550

## ABACO

Luxury Bahamian villa  
sleeps 6; A/C, tennis, pool,  
great fishing and scuba,  
fabulous watersports —  
Call Tracey now and  
save \$100.

**1-800-322-7757**

## HOT DIVE BOOKS

PHOTOGRAPHY

TECHNICAL

TRAVEL

MARINE LIFE

WRECK DIVING

FICTION



THIEF OF THE DEEP ■ DIVING CLUB MED  
JIM CHURCH'S GUIDE TO U/W VIDEO  
ESSENTIALS OF DEEPER SPORT DIVING

From your dive center, bookstore or directly  
from Aqua Quest. Call for complete catalog.

**1-800-933-8989 516-759-0476**

P.O. Drawer 700, Locust Valley, NY 11560-0700



## CAMERA TECH

1817 BALBOA ST. AT 19TH AVENUE  
SAN FRANCISCO, CALIFORNIA 94121

## WE SHIP WORLDWIDE

CAMERA REPAIRS  
RENTALS - SERVICE - SALES  
SPECIALISTS IN  
UNDERWATER PHOTO EQUIPMENT  
PHOTOGRAPHY  
INSTRUCTION  
DIVE EXCURSIONS  
VIDEO EQUIPMENT  
LIGHTING SYSTEMS

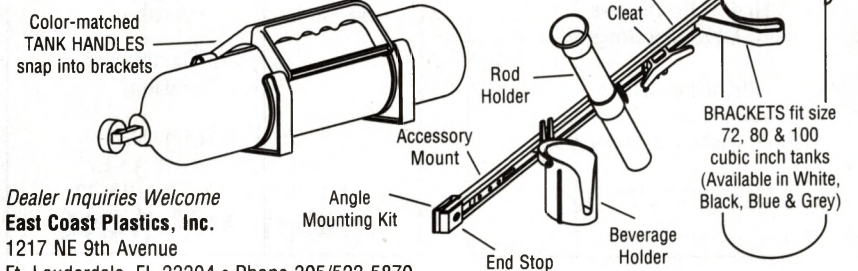
**(415) 387-1700**

**Fax (415) 387-8636**

## Roll Control System

Ask Your Local Dive Store  
or call 1-800-829-6870

**Dive Tanks Are Easy  
To Handle With Roll Control!**



Dealer Inquiries Welcome  
East Coast Plastics, Inc.

1217 NE 9th Avenue  
Ft. Lauderdale, FL 33304 • Phone 305/523-5870

## USER FRIENDLY

Bahamas & Ft. Lauderdale/  
Miami Live-Aboard

## GOOD TIME DIVER



**BAHAMAS - 8 DIVES - \$225**  
Includes Lodging, Meals and Dives

- Unlimited, pristine diving, far from the crowds and resorts!
- Clear water and warm temperatures, even in the winter!
- Dolphin swims and shark feeding expeditions!
- 8 to 10 divers max!

**1-800-741-1009**

Captain John Steffey  
2536 Nassau Lane  
Ft. Lauderdale, FL 33312

# DIVE TRAVEL DIRECTORY

GET TIPS AND HELPFUL INFORMATION ON YOUR NEXT DIVE TRAVEL DESTINATION.

## AFRICA



**KENYA, SEYCHELLES,  
MAURITIUS, EGYPT**

Wildlife Safari offers custom designed  
and guaranteed scuba and safari  
departures.

Call for your color brochure.

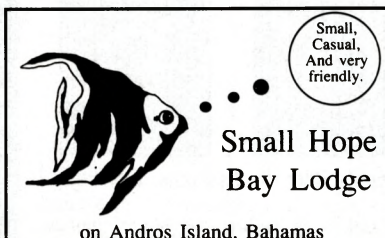


**Wildlife Safari**

346 Rheem Boulevard  
Moraga, CA 94556  
1-800-221-8118

**swissair**  
**AIR MAURITIUS**

## ANDROS



on Andros Island, Bahamas

**WALL AND BLUE HOLE DIVING  
ALL-INCLUSIVE PACKAGES**

• TWENTY BEACHFRONT COTTAGES •

• 140 MILES OF BARRIER REEF •

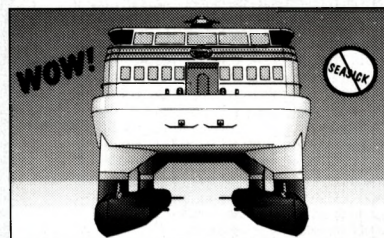
• HOT TUB • HAMMOCKS •

• GREAT FOOD • NO CROWDS •

**Contact our U.S. Office:**  
**P.O. Box 21667, Ft. Lauderdale,  
FL 33335**

**Tel. (305) 359-8240; Fax. (305) 359-8241**  
**Toll-Free U.S. & Canada (800) 223-6961**  
**or call the island direct**  
**Tel. (809) 368-2014; Fax. (809) 368-2015**

## BAHAMAS



**IT'S HERE!**

Introducing the NEKTON PILOT - a  
revolutionary new live-aboard. The high-  
tech SWATH design, based on the technol-  
ogy that allows floating oil platforms to  
operate in rough waters, provides comfort,  
stability and freedom from seasickness.

Explore the pristine, remote Bahamas.  
Dive from a patented elevating, hassle-free  
dive platform. Enjoy first-class luxury in  
spacious, air-conditioned cabins with private  
baths and spectacular ocean views.

**NEKTON® DIVING CRUISES**

REDIFINING LIVE-ABOARD DIVING  
for the 21st CENTURY

**1-800-U/W WORLD • 1-800-899-6753**  
Patent 5,140,924; Patents Pending; Ship's Registry U.S.

## BELIZE



**Explore the Surf & Turf of**

**Belize**

Mayan Coast Excursions invites you to explore  
and experience the natural beauty of Belize. From  
the splendor of its 200-mile barrier reef to the maj-  
esty of its tropical rainforests. From the abundance  
of its wildlife to the lure of its ancient Mayan  
temples. All this and much more awaits you when  
you join us for a taste of the Surf and Turf of Belize.  
Mayan Coast Excursions is dedicated to bringing  
you the very best in eco adventure travel at afford-  
able prices. Let us turn your next dive vacation into  
a real adventure.

**Mayan Coast  
Excursions**

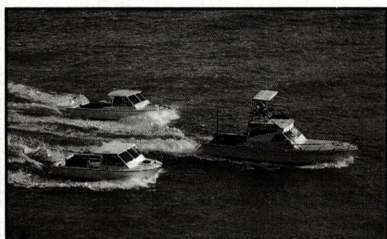
Eco-Adventure Tours

2753 Baird Rd.  
Fairport, NY 14450

**800-346-8184**



## BVI



**UNDERWATER SAFARIS**

Dive the best of the  
**British Virgin Islands**  
including the  
Wreck of the Rhone

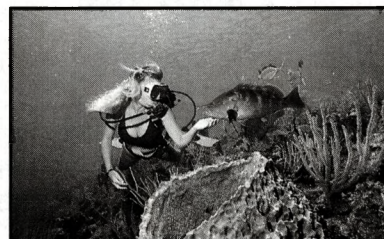
**Rendezvous Diving  
Hotel Packages  
Sail-Dive Packages**

**Pristine Sites  
Year-Round Diving  
Personalized Service**

**800-537-7032**

Toll Free direct to the BVI

## CARIBBEAN



**DIVI**  
**HOLIDAYS**

• Bonaire • Turks & Caicos  
• Cayman Brac • Belize  
• St. Maarten • Bahamas  
• Barbados • Aruba

**Complete Caribbean  
Dive Vacations**

**DIVI HOLIDAYS**  
2401 N.W. 34TH AVE.  
MIAMI, FLORIDA 33142  
**(800) 367-3484**

# DIVE TRAVEL DIRECTORY

GET TIPS AND HELPFUL INFORMATION ON YOUR NEXT DIVE TRAVEL DESTINATION.

## MISSOURI



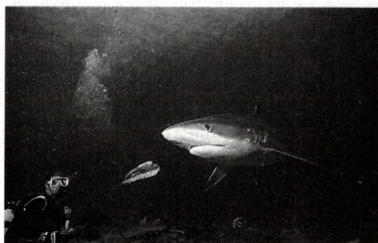
### BONNE TERRE MINE DIVE TO THE CENTER OF THE EARTH

This unique diving adventure has attracted the Cousteau team, Jack McKinney, and Rick Freshee. Bonne Terre Mine is a journey into history with over 17 miles of navigable shoreline underground, you can enjoy its 58°F beauty year-round. The visibility of the cobalt blue illuminated lake is in excess of 100 feet, making it the clearest inland water in the USA.

AS FEATURED BY  
GOOD MORNING AMERICA,  
PEOPLE MAGAZINE  
AND MANY OTHERS.

**West End Diving**  
**(314) 731-5003**

## PHUKET, THAILAND



### M/V FANTASEA

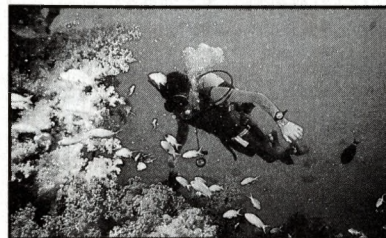
In a largely undiscovered area off the coast of Thailand and Burma lie a series of remarkable dive sites, a plethora of pelagic fish, pristine coral reefs and plentiful sharks.

The comfortable, air-conditioned 100-ft M/V Fantasea takes you on a memorable diving adventure to explore the fabulous Similan Islands and the still unspoiled Burma Banks.



**ADVENTURE EXPRESS 800-443-0799**  
(415) 442-0799 • Fax (415) 442-0289  
P.O. Box 20, Patong Beach, Phuket, Thailand 83150  
Tel: (66 76) 340088 • Fax: (66 76) 340309

## RED SEA



### DIVE the RED SEA with TRI. M. TRAVEL

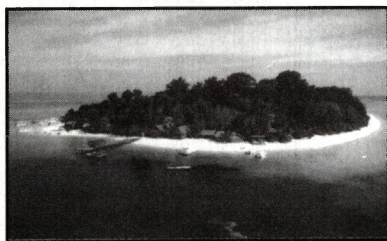
Explore the other side of Egypt.  
Red Sea Adventure • Safari Diving  
Diving for All Levels

Dive packages available in  
Ras Mohamed/Straits of Tiran/  
Sharm El Sheikh  
**10 days start from \$1,899**  
(inc. R/T TKT from JFK)

For Information & Reservations, Call:

**TRI. M. TRAVEL**  
**1-800-276-9938**  
**(212) 682-8047**

## SIPIDAN



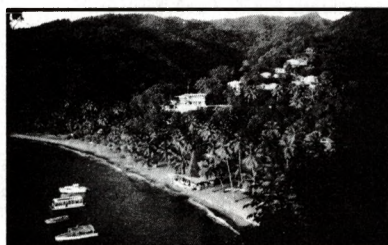
### DIVE SIPIDAN A DIVERS' PARADISE

- Experience the famous wall dive site in front of the resort
- Experience the famous hanging coral gardens
- Watch turtles glide by
- Experience the ever-changing scenario of rich marine life
- Accommodation of local design, food, transfers included
- Sundeck by the beach with spectacular sunset and a place for relaxation after each dive
- Provide daily 3 boat dives around the island and unlimited beach dives
- Open for 365 days

### DIVE SIPIDAN with PULAU SIPIDAN RESORT (PSR)

No. 484, Block P • Bandar Sabindo  
P.O. Box 61120 • 91021 Tawau • Sabah Malaysia  
Tel: 60-89 765200  
Fax: 60-89 763575/763563 or 60-88 428951

## ST. LUCIA



### ANSE CHASTANET BEACH HOTEL

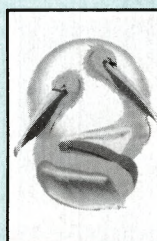
Come dive with us beneath the breathtaking twin peaks of St. Lucia's Pitons mountains. Located in the middle of a 400 acre lush tropical estate on a long soft sand secluded beach. ANSE CHASTANET... One of the Caribbean's most spectacular resort settings above and below water.



**Anse  
Chastanet**

**800-821-6670 U. S. & Canada**  
P.O. Box 7000, Soufriere, St. Lucia, W.I.  
Tel: 809-459-7000, Fax: 809-459-7700

## ST. THOMAS, USVI



**Spend your  
money diving,  
not on pricey  
hotels – rent a  
Caribbean condo  
for your family**

Roomy 3 BR condo in a resort community. **Pelican's Perch** gives your family 1700+ sq ft of quiet living space – at a fraction of hotel costs. Privately owned; fully furnished. Cathedral ceilings, 3 decks, 3 BR, 3 baths, kitchen, LR, DR, ceiling fans, A/C, cable TV; washer/dryer. Overlooks golf course; ocean view; community tennis courts/pool. Weekly rates.

### **Pelican's Perch**

**(303) 933-7919**

# DIVE TRAVEL DIRECTORY

GET TIPS AND HELPFUL INFORMATION ON YOUR NEXT DIVE TRAVEL DESTINATION.

## COSTA RICA



**DISCOVER THE WORLD'S  
BEST DIVING IN COSTA RICA**

**5 days/4 nights - El Ocotil Resort**

**\$849** DO/PP

Includes:

- Roundtrip airfare
- Gratuities
- Breakfasts
- Ground transfers
- U.S. departure tax

Extra day- **\$129** DO/PP (including dives)

All dive packages include tanks, weights,  
boat & guide (PADI)

Other dive packages are available

Let Dockside Travel & Tour plan your  
next dive! Call us at



**800-235-3625**  
in LA (504) 737-8747

## FLORIDA KEYS



**THE MOST CONVENIENT,  
FULL SERVICE DIVE/MOTEL  
OPERATION IN THE KEYS**  
**Walk Out of Your Room Onto Our Boats**

Dive/Motel Packages

**\$58.50**

Dbl. Occ./PP/Prepaid  
Excluding weekends &  
Holidays

Includes:

- Standard Room
- Dive Trips
- Tanks/Wts/Air
- PADI Openwater through Dive Master
- Referrals • YMCA Referrals
- Sales, Air Fills, Rentals, Repairs

**Low Group Rates**



**TAVERNIER DIVE CENTER  
TROPIC VISTA MOTEL**  
**1-800-537-3253 • 305-852-4007**  
P.O. Box 465, Tavernier, FL 33070

## GALAPAGOS



**GALAPAGOS DIVING  
EXPERIENCE!**

"Given the chance to make only one  
more dive trip in my life, I would choose  
Galapagos."

—Paul Humann, Marine Life Authority

Enjoy on board our yachts: Mistral and  
Lammer Law, the best diving with our Dive  
Master and instructor naturalist guides.

For charter or individuals, please call us.

*Free brochure*



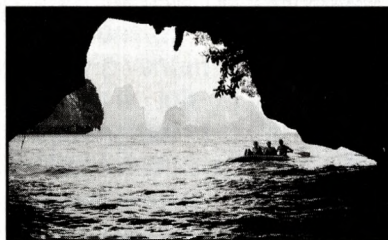
**TUMBACO-QUASAR  
NAUTICA**

**Galapagos Expeditions**

**Tel: 1-800-247-2925**

Fax: (305) 592-7060

## INDONESIA/THAILAND



**Enjoy Southeast Asia's  
Finest Diving Spots**

Indonesia • Sulawesi, Bali, Irian Jaya,  
Banda Islands, Maluku Islands

Thailand • Similan Islands, Burma Banks,  
Phi Phi Islands & Phuket

*Shore-Based or Live-Aboard Cruising*

Call about our extensive land arrange-  
ments including sea kayaking, wildlife view-  
ing, elephant safaris, trekking, and cultural  
adventures. We offer impeccable service and  
discount airfares throughout the region.

*Dive with the Southeast Asia Experts*



**Adventures**

Call for our catalog.  
**800-642-2742** or fax 303-443-7078

## LITTLE CAYMAN



**BLOODY BAY WALL &  
SAM McCOY'S DIVE LODGE -  
The Perfect Combination**

Nestled on the north shore of Little Cay-  
man, minutes away from famous BLOODY  
BAY WALL, the island's oldest and most  
experienced dive lodge offers divers the best  
of three worlds: unlimited diving, genuine  
Caymanian hospitality and unsurpassed  
serenity.



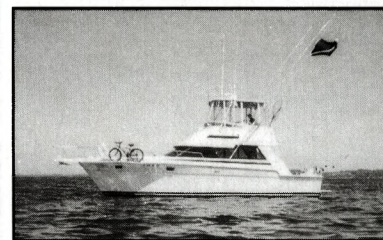
**Reservations Center**

Box 1725 GT • Grand Cayman, B.W.I.

**1-800-626-0496 / 809-949-2891**

**Fax 809-949-6821**

## MICHIGAN



**LAKE MICHIGAN WRECK  
DIVING AT ITS BEST**

Experience Traverse City - Michigan's  
number one tourist destination - on board  
a new 40' luxury live-aboard dive boat.  
Visit the Manitou Islands, Power Island,  
and their various wrecks on 3-4 day  
cruises from Traverse City to Leland and  
Charlevoix.

State-of-the-art electronics, hot-water  
and full-size shower, large dive platform,  
sport-fishing gear, tanks and weight belts  
are just a few of the amenities included.

**T.C. CHARTERS, INC.**

Live-Aboard Dive Charters

**Plymouth, MI Office: (313) 453-8274**

Traverse City Office: (616) 947-6612

# **When accidents happen, when emergencies arise, when crises occur, when decisions are critical, when lives are at stake, when every second counts...**

## **DAN is there.**

Over the past 13 years, DAN has been concerned with one single goal – making scuba diving a safer sport. At DAN Headquarters, 34 diligent, full-time employees believe they can make a difference in the diving industry. During 1992 alone, DAN answered over 12,000 dive medical and safety inquiries and responded to over 1,700 emergency calls from divers.

One hundred thirty hyperbaric chambers around the world and 520 physicians in North America accept DAN referrals. Currently, hundreds of dedicated dive retailers, corporate sponsors and all the major instructional organizations care enough about safe diving to support DAN. In addition, over 145 caring dive clubs and 3,000 concerned scuba instructors and individuals have taken the time to promote DAN functions and activities.

At Duke University Medical Center, 14 highly qualified volunteer diving doctors are on call 8,760 hours annually – 24 hours a day, 365 days a year.

As of this year, DAN has published well over 100 research articles in scientific publications, as well as scores of research papers, books, and book chapters, for the sole purpose of promoting safer diving. In addition, DAN has

participated in specific diving medicine symposia presented to thousands of professionals in the medical field. DAN has trained 20,000 divers in the life-saving technique of administering oxygen first aid and is proud to have certified 1,300 scuba instructors (the essence of the industry) as oxygen first aid instructors plus over 100 DAN Oxygen Instructor Trainers.

Worldwide, over 90,000 divers financially support DAN by participating in membership benefits and service including:

- 24-hour emergency accident hotline
- Up to \$40,000 in diving accident medical insurance coverage
- Worldwide, free air evacuation and assistance services
- ALERT DIVER - the diving industry's only bimonthly medical publication
- A free subscription to Rodale's SCUBA DIVING

If you would like to start enjoying the benefits of DAN membership, knowing you are helping make diving a safer sport, call now and join DAN. Memberships start at \$25 - a small price to pay for DAN to be there.

### **Let DAN be there for you.**

To join, call

**1-800-446-2671**

(FAX 612-520-6760)



Box 3823 Duke University Medical Center  
Durham, NC 27710

This message is brought to  
you through a grant from  
Rolex Watch U.S.A., Inc.



## **ROLEX**

Rolex Watch U.S.A., Inc.  
665 Fifth Avenue  
New York, NY 10022

# DIVE STORE DIRECTORY

**Advertising rates:** \$103 per year domestic, \$150 per year international (includes shipment of 10 copies per issue for a total of 60 copies per year). All orders must be accompanied by payment. Write *Scuba Times Magazine*; Dive Store Directory; 14110 Perdido Key Drive, Pensacola, FL 32507; or call (800) 234-0060.

## ALABAMA

### ADVENTURE SPORTS

(205) 887-8005  
212 North Gay St., Auburn, AL 36830  
NAUI/YMCA Instruction

### ADVENTURE SPORTS, INC.

(205) 269-DIVE  
1546 East Ann St., Montgomery, AL 36107  
Private classes, htd pool on site, YMCA, NAUI

### CAPITOL DIVE CENTER, INC.

(205) 279-8002  
130 Julia, Montgomery, AL 36104  
Full Service Scuba Store, NASDS

### DEEP SEE DIVE CENTER

(205) 343-3483  
7131 Airport Blvd. Mobile, AL 36608  
PADI dive center and NAUI pro facility

### DIVER'S DEN, INC

(205) 794-6555  
2109 Hwy 231 South, Dothan, AL 36301  
Discount sales-Dacor, US Divers/PADI, NAUI

### SCUBA SUPPLY

(205) 663-4492  
2307 Pelham Parkway, Pelham, AL 35124  
PADI training fac/sales, service, & instruction

### SEA DIVERS

(205) 774-1341/(205) 347-6936  
250 South Merrick St., Ozark, AL 36360  
Full service fac, NAUI, PADI, YMCA instruction

### THE DIVE SITE, INC.

(205) 945-9111  
265 Lakeshore Pkwy, Suite 119, Birmingham  
AL 35209 / Alabama's only PADI 5® IDC

## ALASKA

### ALASKA AQUATICS

(907) 344-8078  
7125 Old Seward Hwy, Anchorage, AK 99518  
Dive trips, travel, equip, rpr, NAUI, HSA, SSI, PADI

### ALASKA AQUATICS

(907) 376-8078  
Mile 38 Parks Hwy, Wascilla, AK 99654  
Dive trips, equip, repair, NAUI, HSA, SSI

### ALASKA DIVING SERVICE

(907) 225-4667  
1601 Tongass Ave., Ketchikan, AK 99901  
Charter, full-line, several specialty courses

### SCUBA DO

(907) 486-4344 / (907) 486-2314 fax  
114 Bancroft Drive, Kodiak, AK 99615  
PADI, rentals, sales, service & dive charters

### S.E. DIVING & SPORTS

(907) 747-8279  
203 Lincoln St., Sitka, AK 99835  
Diving charters, drysuits, instruction, rentals

### SUNSHINE SPORTS

(907) 272-6444  
1231 West Northern Lights Blvd, Anchorage  
AK 99503 / PADI 5®, nitrox station

## ARIZONA

### AQUA FUN SCUBA CENTER

(602) 886-3535  
8484 E. Speedway, Tucson, AZ 85710  
SSI Instructor trng. fac, NAUI Pro fac, PADI

### ARIZONA SCUBA DIVERS

(602) 783-1177  
1632 Fourth Ave., Yuma, AZ 85364  
Full service, only PADI in town

### DESERT DIVERS SCUBA CENTER

(602) 88SCUBA / (602) 887-0026 fax  
4837 North First Ave., Tucson, AZ 85718  
PADI 5®, organized trips to the Sea of Cortez

### GECKO DIVE CENTER

(602) 930-1174  
4494 W. Peoria Ave., #105, Glendale, AZ  
85302  
PADI 5® facility w/on site pool

### EL MAR DIVING CENTER

(602) 833-2971 PADI 5® IDC  
2245 W. Broadway, Mesa, AZ 85202 - Travel  
agency, dive travel specialists, rentals, repairs

### OASIS DIVERS

(602) 992-3093  
4015 E. Bell Rd, Suite 134, Phoenix, AZ 85032  
NAUI pro facility, instr, sales, service, rental

### SCUBA SCIENCES, INC.

(602) 995-5926  
8502 N. Blk Canyon Hwy, Phoenix, AZ 85051  
SSI/NASDS, htd indoor pool, trips every wknd

### SCUBA VENTURES

(602) 952-9307 / Phoenix  
PADI 5®, NAUI, LA Co, CMAS certifications  
We carry Sherwood, US Divers, Commando

## ARKANSAS

### DIVE SHOP II

(501) 666-DIVE  
1222 Westpark, Little Rock, AR 72204  
NASDS, Full Service, Dive & Travel

### DIVE SHOP VII

(501) 753-DIVE  
2925 Lakewood Village Dr., N. Little Rock,  
AR 72116 "NASDS, full service, dive & travel"

### RICK'S DIVE 'N TRAVEL CENTERS

(501) 753-6004 PADI 5® IDC w/ indoor pool  
2323 North Poplar, N. Little Rock, AR 72114  
13 specialties, dive travel, boat charters, air & eq

### RICK'S DIVE 'N TRAVEL CENTERS

(501) 224-8400 PADI 5® Training center  
10700 Rodney Parham, Little Rock, AR 72212  
Full svc, 13 specialties, charters, dive travel, rmtls

### SOUTH ARKANSAS DIVE SHOP

(501) 862-0021  
219 North Jackson, El Dorado, AR 71730  
PADI training center

### SPORTSCO

(800) 257-6084 PADI 5® IDC/ indoor pool  
2079 West Hwy 412, Springdale, AR 72762  
19 specialties, travel, private, 2-day certification

## CALIFORNIA

### AB SEA PHOTO

(310) 645-8992  
9136 Sepulveda, Los Angeles, CA 90045  
Two minutes from LAX. U/W photo specialists

### ADVENTURES IN DIVING

(714) 499-4517  
31678 Coast Hwy., South Laguna, CA 92677  
Local site maps, Nitrox, full service facility

### AMERICAN DIVING INSTITUTE

(213) 326-6663  
1901 Pacific Coast Hwy, Lomita, CA 90717  
Full service dive shop, dive travel, NAUI

### ANACAPA DIVE CENTER

(805) 963-8917  
22 Anacapa Street, Santa Barbara, CA 93101  
Full service facility, sales, photography rental

### AQUA SPORTS

"The Divers Dive Shop"  
(209) 224-0744  
2436 E. Terrace, Fresno, CA 93703

### AQUA TECH DIVE CENTER

(619) 237-1800  
1800 Logan Ave., San Diego, CA 92113  
PADI 5®, fac, carries com, mil & sport eq

### AQUARIUS DIVE SHOP

(408) 375-1933/(408) 375-6605 (Cannery Row)  
2240 Del Monte Ave, Monterey, CA 93940  
32 Cannery Row, Monterey, CA 93940  
NAUI, PADI, full svc u/w photo & video

### AQUATIC CENTER

(714) 650-5440  
4537 W. Coast Hwy., Newport Bch, CA 92663  
24 Hour Water Report (714) 650-5783

### AQUATICS OF SANTA BARBARA

(805) 964-8689  
5370 Hollister Av #3, Santa Barbara, CA 93111  
Sales, rmtls, rprs, dive trips, air fills, instruction  
SSI, PADI, NAUI pro facility

### BAMBOO REEF ENTERPRISES

(415) 362-6694  
584 4th St., San Francisco, CA 94107  
Sales, Service, Instruction, Rentals

### BAMBOO REEF ENTERPRISES

(408) 372-1685  
614 Lighthouse Ave., Monterey, CA 93940  
Sales, Service, Instruction, Rentals

### BEYOND THE REEF DIVING

**ADVENTURE CENTER**  
Your PADI adventure travel/training facility  
Join in one of our guided dive adventures  
Full sales, service / Redding CA (916) 241-4530

### BLACK BARTS AQUATICS

(714) 855-2323  
24882 Muirlands Blvd., El Toro, CA 92630  
PADI 5® facility

### CATALINA DIVERS SUPPLY, INC

(800) 353-0330/(310) 510-0330 PADI, SSI, NAUI  
Pleasure Pier-Box 126, Avalon, CA 90704  
Rentals, guided tours, boat trips, instruction, sales

### CHICO DIVE CENTER

(916) 343-2431  
959 East Ave., Chico, CA 95926  
NAUI pro. fac., sales, air, rental, repair, yearly  
Nov. Channel Island trip-meal included.

### CORAL GARDENS

**(510) 837-3999 350 Rose St., Danville 94526**  
**SF East Bay's most exciting dive shop-also a**  
**coral reef aquarium! NAUI Pro Facility**

### DEPTH PERCEPTIONS

(805) 528-1070  
2360 B Main St., Morro Bay, CA 93442  
YMCA. Complete sales, rental & service

### DIVE N' SURF

(213) 372-8423 504 N. Broadway, Redondo  
Beach, CA 90277 PADI 5® full svc retail fac  
Indr solar heated pool, boat charters, rmtls, repair

### DIVERS CORNER

(213) 869-7702  
12045 Paramount Blvd, Downning, CA 90242

### DIVERS DISCOUNT SUPPLY

(909) 621-5000 / (714) 521-1040  
9197 Central Avenue, Montclair, CA 91763  
Save 25-50% "Nobody beats our prices!"

### DIVERS DISCOUNT SUPPLY

**(310) 404-0000 / (714) 521-1040**  
**14104 E. Firestone Blvd, Santa Fe Springs,**  
**CA 90670 Save 25-50% "Nobody beats our**  
**prices!"**

### DIVERS DISCOUNT SUPPLY

(213) 850-5050 / (818) 242-3483  
3575 Cahuenga Blvd West, Universal City, CA  
90068 Save 25-50% "Nobody beats our prices!"

### HYDRO DYNAMICS SCUBA

(619) 328-9639  
68545 Ramon Road, #C-102, Cathedral City, CA  
92234 Full svc, classes, equip, rentals, & repair

### LIBURDI'S SCUBA CENTER

(714) 955-1446  
2272 Michelson Drive #114, Irvine, CA 92715  
PADI 5®, underwater photo center

### MALIBU DIVERS

(310) 456-2396  
21231 Pacific Coast Hwy., Malibu, CA 90265  
Full service, PADI 5®, boat trips / travel

### MARIN SKIN DIVING

(415) 479-4332  
3765 Redwood Hwy, San Rafael, CA 94903  
Montarey Dive Boat, photo trips

### MARINA DEL REY DIVERS, INC.

(213) 827-1131  
2539 Lincoln Blvd, Marina Del Rey, CA 90291  
PADI 5® facility, sales, rentals, trips, lessons

### MEXICO DIVING SPECIALISTS-PACIFIC

**COAST ADVENTURES** (800) 491-3483  
Cabo San Lucas-Cozumel-La Paz & more!  
American owned dive & travel co. Full pkgs, dis-  
count prices, quality service. We know Mexico!

### MOTHER LODGE

(916) 446-4041  
2020 H Street, Sacramento, CA 95814  
5® facility, air fills, rmtls, repairs, boat trips,  
classes, all major brands of equipment, PADI

### NATIONAL SCUBA

(714) 847-4386 PADI 5®  
16182 Gothard Street, Unit B  
Huntington Beach, CA 92647

### NAUTILUS AQUATICS

(510) 930-9310  
1889 Mount Diablo Blvd, Walnut Creek,  
CA 94596 / PADI 5® center & SSI

### OCEAN ENTERPRISES

(619) 565-6054 / (619) 565-0717 fax  
7710 Balboa Ave Ste. 101, San Diego, CA 92111  
PADI 5® IDC / Open Water thru Instructor

### OCEAN ODYSSEY DIVE CENTER

(408) 475-DIVE  
2345 Rodeo Gulch Rd., Santa Cruz, CA 95062  
Open water through instructor, SSI, Nitrox/  
deep air/ tri-mix, ANDI, IAND

### ORIGINAL STEELE'S, INC.

(415) 682-5082  
1120 Meadow Ln., Concord, CA 94520  
Discount dive store, large selection, full service,  
classes, NAUI, YMCA, PADI

### RICK'S DIVING LOCKER

(619) 746-8980  
945 W. Valley Pkwy., #L, Escondido, CA 92025  
NAUI all levels, dive club, shark trips, boat trips

### SCUBA PLUS +

(209) 957-2822  
3255 W. Hammer Ln. #2, Stockton, CA 95209  
Full service store/school, travel, SSI, PADI

### SCUBA TOYS

(714) 527-0430  
9547 Valley View, Cypress, CA 90630  
Air, rmtl, inst, rpr, NAUI trng fac NAUI, PADI

### SEA D SEA

(310) 373-6355  
1911 S Catalina Ave, Redondo Beach, CA 90277  
PADI 5®, sales, rentals, repairs, trips & instr

### SPORT CHALET DIVERS

(714) 255-0132  
2500 E. Imperial Hwy, Ste 150, Brea, CA  
92621  
Full service NAUI store

### SPORT CHALET DIVERS

(818) 992-8131  
6701 Fallbrook Ave., West Hills, CA 91307  
Full service NAUI store

### SPORT CHALET DIVERS

(714) 848-0988  
16242 Beach Blvd., Huntington Bch, CA 92647  
Full service NAUI store

### SPORT CHALET DIVERS

(619) 552-0712  
4313 La Jolla Village Dr, #K001, La Jolla, CA  
92122 Full service NAUI store

### SPORT CHALET DIVERS

(619) 463-9381  
5500 Grossmont Ctr Dr., La Mesa, CA 92042  
Full service NAUI store

### SPORT CHALET DIVERS

(213) 657-3210  
100 N. La Cienega Blvd, Los Angeles, CA  
90048 / Full service NAUI store

### SPORT CHALET DIVERS

(213) 821-9400  
13455 Maxella Ave, Marina Del Ray, CA  
90292 / Full service NAUI store

### SPORT CHALET DIVERS

(714) 582-3363  
27551 Puerta Real, Mission Viejo, CA 92691  
Full service NAUI store

### SPORT CHALET DIVERS

(805) 485-5222  
1885 Ventura Blvd., Oxnard, CA 93030  
Full service NAUI store

### SPORT CHALET DIVERS

(619) 224-6777  
3695 Midway Dr., San Diego, CA 92110  
Full service NAUI store

# DIVE STORE DIRECTORY

## SPORT CHALET

(805) 253-3883  
24200 Lyons Ave., Santa Clarita, CA 91321  
Full service NAUI store

## SPORTLAND

(818) 790-9800  
920 Foothill Blvd., La Canada, CA 91011  
Full service NAUI Store

## SUB-SURFACE PROGRESSION

(707) 964-3793  
18600 N. Hwy. 1, Ft. Bragg, CA 95437  
NASDS

## UNDERWATER DIVERSIONS

(714) 633-1880 / (800) SCUBA FUN  
1040 East Katella, Orange, CA 92667  
5@IDC Development Center

## VALLEY AQUATICS

(800) 45-SCUBA  
1209 McHenry Ave. Ste. C, Modesto, CA 95350  
Full service dive center spec in dive travel

## WALLIN DIVE CENTER

(415) 369-2131/(415) 369-2039 FAX  
517 E. Bayshore Rd., Redwood City, CA 94063  
PADI 5@ and IDS

## WET PLEASURE

(408) 984-5819 / (800) 24-SCUBA  
2245 El Camino Real, Santa Clara, CA 95050  
NAUI/PADI pro fac. All specialties-dive master, deep diving, ice diving, u/w hunter, etc.

## COLORADO

### A-1 SCUBA CENTER

(303) 789-2450  
1800 W. Oxford, Unit B, Englewood, CO 80110  
PADI IDC, travel, retail and instruction

### ATLANTIAN DIVE AND TRAVEL

(800) 487-DIVE / (303) 972-8993  
Colorado's most unique scuba/watersport store  
Travel/Dacor/Cressi Sub/Beuchat/O'Neill

### BEAVER DIVERS

(303) 949-1012/(800) 748-2969  
41199 US Hwy 6 & 24, Eagle Vail, CO 81620  
BRINGING THE OCEAN CLOSER

### BLUE MESA SCUBA AND TRAVEL CTR.

34 S. Selig Avenue, Montrose, CO 81401  
Travel Dept. (303) 249-8679 and  
(800) 273-6372. (In Colorado); SSI

### COLORADO DIVER TRAINING

(303) 457-2822  
2090 E 104th Ave. #101, Thornton, CO 80233  
PADI 5@ IDC, sales, classes, repair, trips

### COLORADO SPRINGS SCUBA CENTER

(719) 597-8418  
1600 North Academy Boulevard, Colorado Springs, CO 80909  
PADI 5@ IDC fac, travel, sales, service, repair

### DENVER DIVERS

(303) 399-2877  
527 Milwaukee St., Denver, CO 80206  
Colorado's largest full svc indoor trng. facility

### FANTASY DIVERS

(303) 220-0797  
8255 South Holly St., Littleton, CO 80122  
PADI 5@IDC/ Tusa, Cressi Sub, Sea Quest

### HIGH PLAINS SCUBA CENTER

(303) 493-8562  
1671 South College, Ft. Collins, CO 80525  
SSI, PADI, travel, retail, instruction & repair

### ODYSSEY DIVING, INC.

(303) 452-8002  
820 East 104th Avenue, Thornton, CO 80229  
US Divers, Dacor, Henderson & Mares / PADI

### ROCKY MOUNTAIN DIVING CENTER

(303) 449-8606  
1737 15th Avenue, Boulder, CO 80302  
SSI, NAUI, PADI

### ROCKY MOUNTAIN DIVING CENTER

(303) 232-2400  
1920 Wadsworth Blvd., Lakewood, CO 80215  
Full line dive store travel, SSI, ITC

## SCUBA COLORADO

(303) 225-0777  
2716 S. College St., Ft. Collins, CO 80525

## SCUBA DEN

(303) 431-1088  
6729 W. 44th. Ave., Wheat Ridge, CO 80033  
Scuba travel planning

## UNDERWATER CONNECTION

(719) 599-3483  
4337 N Academy Blvd, Colorado Springs, CO 80918  
PADI 5@ facility, on-site pool

## UNDERWATER PHANTASEAS

(303) 988-6725  
160 S. Union, Lakewood, CO 80228  
Experience diving at its best, PADI 5@

## CONNECTICUT

### BEACH NUT SPORTS CENTER

(203) 399-6534  
314 Boston Post Road, Westbrook, CT 06498  
Full service dive shop, PADI instr, low prices

### DIVE SITE

(203) 666-6277  
75 Kitts Lane, Newington, CT 06111  
PADI 5@, full service

### INTERNATIONAL SCUBA, LTD.

(203) 621-8265  
1678 Plaza, Rt. 322, Millville, CT 06467  
Full service, sales, classes, repairs, trips

### JACK'S DIVE CENTER, INC.

(203) 747-3170 PADI facility #20  
One Town Line Road, Plainville, CT 06062  
Training divers since 1975, travel experts

### NEW ENGLAND DIVING OF CT

(203) 284-1880  
196 N Colony St.(Rt. 5), Wallingford, CT 06492  
Education / Equipment / Travel

### ORBIT MARINE SPORTS CENTER, INC.

(203) 333-DIVE  
3273 Fairfield Ave., Bridgeport, CT 06605  
Sales, rentals, air, svc, charters, PADI, NAUI

### THE DIVING BELL, LTD.

(203) 775-3573  
461 Federal Rd., Brookfield, CT 06804  
Sales, service, travel, PADI 5@training center

### UNDERWATER SWIMMERS, INC.

(203) 932-0258  
526 Main Street, West Haven, CT 06516  
Full svc facility, charters, travel and dive club.

## DELAWARE

### ATLANTIS II, INC.

(302) 734-8040  
1233 North Dupont Hwy, Dover, DE 19901  
Watersports, Equipment, Training, Travel

### FIRST STATE SPORTS, INC.

(302) 998-6357  
3313 Old Capital Tr., Wilmington, DE 19808  
Instruction, sales, wreck dives, air  
NAUI Pro Facility F-006

### SCUBA WORLD, INC. / Dover

(800) 861-DIVE / (302) 697-2882  
US Divers, Sea Quest, Tusa, Mares  
PADI 5@IDC, local & Caribbean travel

## FLORIDA

### ABYSS PRO DIVE CENTER/ FL KEYS

(800) 457-0134/(305) 743-2126 MM 54  
Marathon / Clean, roomy 34' six-pax dive boat  
Underwater video & camera rental, PADI/PDIC

### ACTION AQUATICS SCUBA DIVING

WATERSPORTS & TRAVEL CENTER  
(813) 932-3895  
8800 Florida Avenue, Tampa, FL 33604  
SSI, PADI, NAUI, IAND

### ADMIRAL DIVE

(800) 346-DIVE PADI 5@IDC  
1 Bowen Dr., MM 105, Key Largo, FL 33037  
Daily instr, divg & snkl trips aboard 65' boat

### AMERICAN DIVE CENTER, INC.

Boca Raton (800) 393-0621  
In Florida (407) 393-0621  
Referrals, NAUI and PADI

## AQUA SHOP

(800) 331-3772/(407) 848-9042  
505 Northlake Blvd., N. Palm Beach, FL 33408  
Dive Center, daily trips, boats on site, full svc

## AQUATIC ADVENTURES SCUBA

(813) 788-6476  
6433 Gall Blvd., Zephyrills, FL 33541  
Major manufacturers. PADI, gulf dives

## BAY POINT DIVE CENTER

(904) 563-1040  
300 N.W. Hwy. 19, Crystal River, FL 34429  
Manatee tours & cavern/cave diving instruction

## BLUE GROTTTO

(904) 528-5770  
Rt. 3, Box 2790, Williston, FL 32696

## CAPTAIN BLACK'S JETTY DIVE STORE

St. Andrews State Park, Thomas Drive  
Panama City Beach, FL (904) 233-0504  
Gear Rentals, air check dives, guided night  
dives, all now available right on the jetties the  
gulf coast's best shore dive

## CHEECA DIVERS

(800) 934-8377  
Mile Marker 82, Islamorada, FL 33036  
Complete watersport center at luxury resort

## CHUCK'S DIVE WORLD

(904) 678-5001/(800) 224-DIVE/PADI Dive Ctr.  
102 John Sims Parkway, Valparaiso, FL 32580  
Service, rental, charters, instr, intl dive travel

## DEEP 6 DIVERS SERVICE

(813) 688-3015  
1631 E. Edgewood Dr., Lakeland, FL 33803  
NAUI, YMCA

## DEVIL'S DEN

(904) 528-3344  
Route 3, Box 23-DD, Williston, FL 32696  
Florida's prehistoric spring!

## DIVE BUDDIES INC

(407) 631-7649/(800) 528-DIVE  
4110 North U.S. 1, Cocoa, FL 32927  
PADI 5@ training facility. We do it all!

## DIVE CLEARWATER

(813) 443-6731/(800) 875-DIVE  
P.O. Box 3594, Clearwater Beach, FL 34630  
The best gulf diving in Tampa Bay area.

## DIVE SHOP, THE

(904) 492-DIVE / 492-3483 Perdido Key  
13111 Sorrento Rd, Pensacola, FL 32507  
Full service, charters, rentals, YMCA, CMAS

## DIVERS DEN

(904) 871-2876 / (800) 272-4777  
4720 E Business Hwy 98, Panama City, FL  
NAUI, PADI, daily dive charters

## DIVERS OASIS SCUBA CENTER

(904) 738-2417  
1512 South Woodland Blvd, Deland, FL 32720  
PADI, NACD, nitrox

## DIVERS UNLIMITED

(305) 981-0156  
6023 Hollywood Blvd., Hollywood FL 33024  
PADI IDC. Awarded #1 trng fac in US by PADI

## DOLPHIN DIVE CENTER

(813) 924-2785  
6018 S. Tamiami Trail, Sarasota, FL 34231  
PADI, NAUI, sales, rentals, air, service charters

## EMERALD COAST DIVER'S DEN

(800) 945-3483 / (904) 871-2876  
Panama City, FL / NAUI, PADI full service fac  
Daily dive charters, reefs & wrecks

## FANTASEA SCUBA HEADQUARTERS

(904) 837-6943 PADI 5@ IDC / DVI Resort  
#1, Highway 98, Destin, FL 32541  
Sales, service, gulf charters, instr, rntls, air & travel

## FLORIDA FROGMAN, INC.

(305) 599-9900/(305) 591-2774 FAX  
2852 NW 72nd Ave., Miami, FL 33122  
Across from Miami Int'l Airport NAUI Pro Fac

## FLORIDA KEYS DIVE CENTER

(305) 852-4599/(800) 433-8946 PADI 5@IDC  
MM 90.5, PO Box 391, Tavernier, FL 33070  
Instr courses monthly, dive pkgs, dive charters

## FLORIDAZE DIVE CENTER

(800) 437-3483 / (305) 852-1432  
MM 90.8, Tavernier, Florida Keys 33070  
PADI instr, 6 pass. dive charters, hotel pkgs.

## GINNIE SPRINGS, INC.

(904) 454-2202  
7300 NE Ginnie Springs Rd, High Springs, FL 32643  
Cavern Instruction

## GULF COAST PRO DIVE

(904) 456-8845  
7203 Hwy. 98 W., Pensacola, FL. 32506  
NAUI, PADI, full service year round

## HYDROSPACE DIVE SHOP

(800) 874-3483/(904) 234-3063  
6422 West Highway 98/3605-A Thomas Dr.,  
Panama City Beach, FL 32408  
The Gulf Coast's largest, most exper. dive svc

## INNERSPACE DIVE SHOP

(800) 538-2896/(305) 872-2319 PADI, NAUI  
PO Box 744, MM 29.5, Big Pine, FL 33043  
Pro dive shop, daily reef trips to Looe Key

## KEY WEST / LOOKER DIVING

(305) 294-2249 / (800) 245-2249  
801 Eisenhower Dr, PO Box 4035, Key West  
33041/ PADI, SSI, NAUI/quality divg, air, 3 boats

## KEY WEST / SEACLYPSE DIVERS

(305) 296-1975 / (800) 626-6396  
P.O. Box 2122, Key West, FL 33045  
6-passenger charters, PADI dive center  
Nitrox dives & instruction

## KEY WEST / SOUTHPOINT DIVERS

(305) 292-9778/(800) 824-6811  
535 Duval St., Key West, FL 33040  
PADI full svc trng fac, pkgs, wreck, reef, nt dv

## KEY WEST / SUBTROPIC DIVE CENTER

(305) 296-9114 / (800) 853-DIVE  
1605 N. Roosevelt Blvd, Key West, FL 33040  
Full service, on water facility. Daily reef trips.  
Destination resort pkgs. On-site waterfront hotel

## KISSIMMEE PRO DIVE

(407) 933-5090  
406 E. Vine St., Kissimmee, FL 34744  
NAUI, YMCA, PADI

## MIAMI SCUBA TOO

(305) 557-6160 PADI & SSI  
7682 NW 186th Street, Miami, FL 33015  
Sales, service, rental, instr, local dive trips

## N.W. DIVERS OF ORLANDO

(407) 658-9464/(800) 940-9464  
9318 E. Colonial, #A13, Orlando, FL 32817  
Call & ask about our instructor courses!

## OCEAN DIVING SCHOOLS OF FLORIDA

(305) 943-3337  
750 E. Sample Rd., Pompano Beach, FL 33064

## PSI DIVING CO.

(904) 934-5009  
300 Pensacola Bch Blvd, Gulf Breeze, FL 32561  
Dive charters, instruction, rentals, dive gear.

## PANAMA CITY DIVE CENTER

(904) 235-3390/(800) 832-DIVE  
4823 Thomas Drive, Panama City, FL 32408  
PADI/NAUI ITC, Divemaster ITC, daily charters

## PENNEKAMP STATE PARK DIVE CTR

(800) 272-4148/(305) 451-6325  
MM 102.5, Key Largo, FL 33037  
PADI 5@, instr, sales, charters

## PROFESSIONAL SCUBA ASSOCIATION

Hal Watts, Pres. (904) 368-7974  
9487 NW 115th Avenue, Ocala, FL 32675  
Deep air, nitrox, tri-mix, cave, 40 Fathom Grotto

## RAINBOW REEF DIVE CENTER

(800) 457-4354/(305) 664-4600  
85500 Overseas Hwy, Islamorada, FL 33036  
PADI instruction, dive/accommodation pkgs.

## REDFISH DIVE CENTER, INC.

(800) 666-DIVE / (813) 472-DIVE  
2330 Palm Ridge, Sanibel Island, FL 33957  
NAUI/PADI instr, boat trips, sales & rental

## SCUBA SHOP

(904) 243-1600  
348 SW Miracle Strip, Ft Walton Beach  
FL 32548 / PADI, NAUI, SSI

# DIVE STORE DIRECTORY

## SCUBA WEST

(813) 863-6911 1st 5@ facility on West Coast  
8109 New York Ave., Hudson, FL 34667  
All specialties, local and exotic travel

## SEAFARI DIVE & SURF, INC.

(407) 747-6115  
75 East Indiantown Rd., #603, Jupiter, FL 33477  
Travel Agency, Dive Boat, Prvt. & Group  
Certif.

## SEALANDIA SCUBA CENTER

(813) 775-6646  
2377 E. Tamiami Trail, Naples, FL 33962  
Full svc, NAUI, Scubapro & Sea Quest gear

## SEAPRO SCUBA CENTER OF PALM BCH

(407) 844-DIVE / PADI 5@  
3619 Broadway, Riviera Beach, FL 33404  
Referrals welcome, dive the *Princess Anne*

## SIMPLY SCUBA DIVE CENTER

(800) 233-0009 / (305) 420-0009  
1645 S.E. 3rd Ct, Deerfield Beach, FL 33441  
Full service, PADI cert., U/W photo specialist

## TACKLE SHACK DIVING HDQTRS

(813) 546-5080  
7801 66th St., N. Pinellas Park, FL 34665  
Large inventory of hard to find items

## TALLEY'S PRO DIVE

(904) 795-2776  
910 N. Suncoast Blvd., Crystal River, FL 34429  
Open wtr. cert. 3 days of fun \$195, Full svc dv.  
ctr Tours: Manatees, Crystal & Rainbow rvrs

## TARPOON SKIN DIVING CENTER

(305) 887-8726/(305) 883-9610 FAX  
3200 Palm Ave., Hialeah, FL 33012  
Discount prices, full svc, NAUI Pro Facility

## TEAM DIVERS SOUTH BEACH

(305) 673-0101 / (800) 543-7887  
300 Alton Road, Miami Beach, FL 33139  
PADI 5@/group tours, travel, accommodations

## TERRACE WATERSPORTS

(813) 935-1119/(813) 931-0717 fax  
930 E. Busch Blvd., Tampa, FL 33612  
PADI/Gulf trips, 5min. from Busch Gardens,  
hard to find items at great prices.

## THE DIVE STATION

(800) 282-3328 / (407) 843-3483  
3465 Edgewater Drive, Orlando, FL 32804  
PADI Instructor Development Center

## THE SCUBA CLUB, INC.

(800) 835-2466 / (407) 844-2466  
4708 N. Dixie Hwy, West Palm Bch, FL 33407  
America's only country club for divers since  
1972, NAUI, PADI, YMCA

## UNDERSEAS, INC.

(800) 446-5663 / (305) 872-2700  
U.S.I. MM 30.5, Big Pine Key, FL 33043  
Loose Key trips daily, rntls, repairs, sales, PADI

## UNDERSEAS SPORTS

(305) 564-8661/(800) 231-3443 USA & Canada  
1450 N Federal Hwy, Ft. Lauderdale, FL 33304  
PADI, NAUI

## VORTEX SPRINGS, INC.

(904) 836-4979 / (800) 342-0640  
Rte 2, Box 650, Hwy 81 North,  
Ponce De Leon, FL 32455  
Sales, svc, rentals, group lodging, camping, 50'  
deep spring, clear water all year, no waves.

## WORLD DOWN UNDER, INC.

(800) 245-3483/(305) 664-9312  
PO Box 1001, Islamorada, FL 33036  
Reef & wreck trips daily/boat rentals, PADI inst

## GEORGIA

### BERRY ATLANTA

(404) 766-1186  
3443 Stewart, Hapeville, GA 30354  
PADI lessons, service, rentals

### DIVE, DIVE, DIVE...

(404) 476-7833  
2131 Pleasant Hill Rd., Gwinnett Mall Corners,  
Duluth, GA 30136 / NAUI Pro Facility

### DIVERS SUPPLY

(912) 474-6790  
5208 Mercer Univ. Dr., Macon, GA 31210  
Full service, discount dive shop

## DIVING EDUCATORS INC. - PRO SHOP

(912) 272-2426  
2214 Veterans Boulevard, Dublin, GA 31021  
Full svc PADI dive ctr, Scubapro & US Divers

## DIVING WORLD USA

(404) 634-4354  
2945 Buford Hwy, Atlanta, GA 30329, PADI

## ISLAND DIVE CENTER

(800) 940-DIVE / (912) 638-6590  
107 Marina Drive, St. Simons Isl, GA 31522  
PADI 5@ Training Fac, Scubapro Dealer, instr.,  
sales, service, rental, air, local charters

## LANIER DIVE CENTER, INC.

(404) 271-2860 / (404) 822-0593 fax  
5711 Holiday Road, Buford, GA 30518  
PADI, NAUI, full service facility

## PEACHTREE DIVE CENTER

(404) 487-6609 / (404) 631-8093 fax  
1954 Highway 54 West, Fayetteville, GA 30214  
PADI 5@ Instructor Development Center

## PLANET OCEAN SCUBA CENTER

(706) 563-8675  
3865 Miller Road, Columbus, GA 31909  
Certification classes, sales, svc, trips, dive club

## SAFARI SPORTS & SCUBA

(404) 432-6926  
3240-R South Cobb Drive, Smyrna, GA 30080  
Sales & service

## SEA LAB

(404) 979-8670  
Five Oaks Center, 875 Oak Rd, Lawrenceville  
GA 30245/ Gwinnett's original pro dive facility

## THE DIVE SHOP

(404) 424-7700  
950 S. Cobb Pkwy, Marietta, GA 30062  
NASDS IDC, classes, Caribbean & FL trips

## WET SET SCUBA

(404)389-9949/Hwy 138& I675 Stockbridge  
Scubapro\*Sea Quest\*Sherwood\*O'Neill  
Roatan\*Bonaire\*Micronesia\*Fla & more

## HAWAII

### ALOHA DIVE SHOP

(808) 395-5922  
Koko Marina Shpg Ctr, Honolulu, HI 96825  
PADI, SSI, full retail, cert, charters, boats, air

### BIG ISLAND DIVERS

(808) 329-6068 / (800) 488-6068  
74-425 Kealahake Pkwy, Kailua-Kona, HI 96740  
6 pass custom-built boat, pampered service

### BOJAC AQUATIC CENTER

(808) 671-0311 / (808) 671-1670 fax  
94-801 Farrington Hwy, Waipahu, HI 96797  
NAUI Pro Facility, indoor heated pool

### DIVE KAUAI SCUBA CENTER

(808) 822-0452 / (800) 8CU-DIVE  
976 Kuhio Hwy, Kapaa, Kauai, HI 96746  
PADI IDC, sales, rental, custom boat charters

### DIVE MAUI

(808) 667-2080 NAUI, PADI, SSI training  
900 Front St., Lahaina, HI 96761 / DIVETHE  
HOTTEST SPOTS! Full service fac.since 1981.

### ECOSCAPES DIVE & ADVENTURE

**OUTFITTER**  
(800) 949-DIVE / (808) 329-7091 fax  
75-5626 Kuakini Hwy, Kailua-Kona, HI 96740  
Daily charters,manta night dives, PADI 5@IDC

### ED ROBINSON'S DIVING ADVENTURES

(800) 635-1273 / P.O. Box 616  
Kihei, Maui, HI 96753 / Call for a FREE  
comprehensive info & dive sites package!

### EPIC DIVES HAWAII

(808) 236-EPIC (3742)  
45781 Kamehameha Hwy, Kaneohe, HI 96744  
Hawaii tech diving \*deep, nitrox & trimix

### HAWAIIAN DIVERS

(808) 329-2243 / (800) 356-2243  
75-5702 Alii Drive, Kailua-Kona, HI 96740  
Hawaii's 1st high tech dive shop/mantas, whales

### JACKS DIVING LOCKER

(808) 329-7585  
75-5819 Alii, Kailua-Kona, HI 96740  
PADI @@@@

## KING KAMEHAMEHA DIVERS

(800) 525-PADI (rsvp) / (808) 329-5662  
75-5660 Palani Rd., Kailua-Kona, HI 96740  
1st PADI 5@IDC,daily boat charter, Manta Ray  
nite dive, pvt instr. Service, service, service!!!

## KOHALA DIVERS, LTD

(808) 882-7774 / PO Box 4935  
Kawaihae Shopping Ctr, Kawaihae, HI 96743  
PADI 5@center, serving the Kohala Coast

## KONA COAST DIVERS

(800) KOA DIVE / (808) 329-5741 FAX  
75-5614 Palani Rd., Kailua Kona, HI 96740  
Charters, retail, rental, schooling, PADI,  
NAUI, SSI

## LAHAINA DIVERS

(800) 998-DIVE / (808) 667-6280  
143 Dickenson Street, Lahaina-Maui, HI 96761  
Charters, training, rentals, PADI 5@ w/NAUI &  
SSI open water comp.

## NITROX TROPICAL DIVERS OF KAUAI

(808) 822-REEF / toll free (800) 695-DIVE  
24-hr air & nitrox delivery svc, alum. 100's,  
tours, nitrox (IAND) cert, PADI cavern,  
referrals, intros, pool

## OCEAN CONCEPTS SCUBA

(808) 677-7975  
94-547 Ukee St, #211, Waipahu, HI 96797  
Boat dives, PADI 5@ IDC, fishing

## RED SAIL SPORTS

(800) 255-6425/(808) 885-2876  
69-425 Waikoloa Bch Dr, Kamuela, HI 96743  
Unspoiled Kohala Coast, Big Island.  
Professional, fast boat, turtles, dolphins,  
octopus, lavatubes & arches.PADI/NAUI

## REEF WATCHERS

(808) 874-FINS / (808) 879-DOWN fax  
61 S Kihei Rd, Suite A, Kihea-Maui, HI 96753  
PADI certification, Sherwood dealer

## SANDWICH ISLE DIVERS

(808) 329-9188 / (808) 326-5652 fax  
75-5729 I Alii Dr, Kailua-Kona, HI 96740  
Full service dive facility, sales & rental, instr

## SEA PARADISE SCUBA

(808) 322-2500 / (800) 322-KONA  
P.O. Box 580, Kailua-Kona, HI 96745  
PADI full service

## IDAHO

### BOISE WATER SPORTS

(208) 342-1378  
3204 Overland Rd., Boise, ID 83705

### H & H DIVE & TRAVEL

(208) 233-7802 NAUI Pro Fac / PADI & HSI  
1684 Kraft Road, Pocatello, ID 83201/Handicap  
Scuba Assoc/ 60,000 gallon training aquarium

## ILLINOIS

### BARRACUDA BRAD'S

(815) 33-SCUBA  
680 S. Eastwood Dr., Woodstock, IL 60098  
PADI 5@fac,84-degree indoor pool,travel,sales  
Lake Mi chrtsr "Your one stop dive facility"

### BERRY SCUBA

(312) 763-1626  
6674 N. Northwest Hwy, Chicago, IL 60631  
PADI

### BERRY SCUBA

(708) 495-2822  
36 Yorktown Ctr, Lombard, IL 60148  
PADI lessons, service, rentals

### BLACK MAGIC DIVE SHOP

(708) 362-DIVE  
269 Peterson Rd., Libertyville, IL 60048  
Local and trop. charters, PADI 5@facility

### CLIFTON DIVING VENTURE

(815) 758-0128  
Corner Rt 23 & Harvey St, DeKalb, IL 60115  
Complete instruction and specialties, PADI

### DIVENTURES

(312) 348-DIVE  
1017 West Diversey, Chicago, IL 60614  
NAUI, SSI, instr, air, rentals, travel & repair

## D.I.V.E. SYSTEMS, INC.

(708) 449-FINS  
1812 Taft Ave., Berkeley, IL 60163  
NAUI, PADI, full service, travel

## FROGG POND DIVE SHOP

(708) 432-5055  
2310 Skokie Valley Rd, Highland Pk, IL 60035  
URR training specialists

## GREAT LAKES DIVERS

(708) 482-7788  
541 S. La Grange Rd., La Grange, IL 60525  
Full service store and travel

## ILLINOIS INSTITUTE OF DIVING

(708) 858-8884  
436 Roosevelt Road, Glen Ellyn, IL 60137  
Full svc, sales, travel & instr, NAUI, SSI, PADI

## LAKE MICHIGAN SCUBA CENTER, INC.

(708) 540-7211  
400 E. Rand Rd., Lake Zurich, IL 60047  
PADI 5@, local dive charters

## MIDWEST DIVING SPECIALISTS

(309) 452-0222  
203 S. Linden, Normal, IL 61761  
5@facility, sales, service, travel

## OCEAN'S DOOR, INC.

(708) 441-0232  
300 Happ Road, Northfiels, IL 60093  
PADI 5@diver center, full service

## PEARL LAKE

(815) 389-1479 / South Beloit, IL 61080  
Scuba diving, swimming, camping  
dining and cocktails

## PRO DIVE SHOP, INC.

(217) 428-0599  
1027 W. Eldorado St., Decatur, IL 62522  
Instruction, sales, dive vacations

## PROSPECT DIVE & SPORT SHOP

(708) 259-0606 Comp. (708) 259-1146  
870 S. Arthur, Arlington Heights, IL 60005  
Free air fills, Divers computer bulletin bd. svc  
NAUI, PADI, SSI, MDEA

## SCUBA DIVING SCHOOLS OF AMERICA

(708) 896-1113  
45100 Rte 59, Naperville, IL 60563  
Full svc fac, travel svc, NASDS, open 7 days

## SCUBA EMPORIUM

(708) 389-9410  
12003 S. Cicero, Alsip, IL 60658  
PADI instr, courses monthly, heated pool

## SCUBA SYSTEMS, LTD.

(708) 674-0222 / PADI 5@  
3919 Oakton Street, Skokie, IL 60076  
In-store pool, full service, sales & rental

## SENTRY POOL & DIVE

(800) 443-8625 / (309) 797-9721  
1529-46th Ave., Moline, IL 61265  
PADI 5@ full facility

## UNDERSEAS SCUBA CENTER, INC.

(708) 833-8383  
611 N. Addison Road, Villa Park, IL 60181  
Sea Quest, Scubapro, US Divers

## UNDERWATER SAFARIS

(312) 337-6151  
620 N. LaSalle, Chicago, IL 60610  
Full svc facility, trips, rentals, air, etc. PADI

## UNDERWATER SAFARIS

(312) DIVE-999  
2950 North Lincoln Ave., Chicago, IL 60657  
Full svc. fac, trips, rntls air, PADI 5@ , pool

## VENTURE FORTH SCUBA

(815) 229-5658  
2424 S. Alpine Rd., Rockford, IL 61108  
PADI, Sea Quest diving equipment, travel

## INDIANA

### DEEP DESIRES SCUBA, INC.

(317) 881-3483  
916 East Main Street, Greenwood, IN 46143  
PADI 5@,indr pool,handicapped instr,NITROX

### DIVERS SUPPLY MUNCIE, INC.

(317) 288-4868  
3715 S. Walnut St., Muncie, IN 47302  
Sls, ser, rpr, rntl, college cr. approved courses

# DIVE STORE DIRECTORY

## DIVERS WORLD INC.

(812) 423-2738  
1271 E. Morgan Avenue, Evansville, IN 47711  
Full rentals, sales, service, education; NASDS

## DIVING DEN, INC.

(317) 452-1034  
2229 E. County Rd., 00NS, Kokomo, IN 46902  
PADI 5® full service facility, travel

## DNP DIVING, INC.

(219) 735-DIVE/(219) 739-2265 FAX  
604 East Main St., Logansport, IN 46947  
PADI 5® trng fac, sales, service, mntls, travel

## EVANSVILLE SCUBA CENTER, INC.

(812) 424-6667  
1319 N. 1st Ave., Evansville, IN 47710  
PADI

## HART CITY SCUBA, INC.

(219) 264-3528  
2200 Cassopolis Street, Elkhart, IN 46516  
PADI dive center

## LA FAYETTE DIVERS SUPPLY INC

(317) 743-1232  
360 Brown St., West Lafayette, IN 47906  
PADI, US Divers, Parkway, Wenoka, Sherwood

## LAKE COUNTY DIVERS

(219) 942-0016  
305 Main St., (Rt. 51), Hobart, IN 46342  
Dacor equip, PADI 5® IDC training facility

## MIDWEST SCUBA CENTER

(317) 872-2522  
4306 W. 96th St., Indianapolis, IN 46268  
On-site indoor pool, 5®facility; PADI

## SCUBALAND

(812) 234-0774  
1312 Wabash Avenue, Terre Haute, IN 47807  
PADI facility, sales, service & instruction

## THE MERMAIDS QUEST

(219) 256-6875  
305 E. McKinley, Us.20E, Mishawaka, IN 46545  
Lessons, rentals, sales, air. PADI

## VALPARAISO SCUBA CENTER, INC.

(219) 462-3038  
54 Lincoln Way, Valparaiso, IN 46383  
Full service PADI center, instr. rental & travel

## IOWA

### OKOBOJI SCUBA CENTER L.P.

(712) 332-5054 / Maywood Square Mall  
P.O. Box 707, Arnolds Park, IA 51331  
Full svc, bluewater divg, teen summercamp, IDEA

### TWO RIVERS DIVE CENTER

(515) 255-4556 / (800) 255-4556  
4936 Franklin Avenue, Des Moines, IA 50310  
Iowa's full service dive center

## KANSAS

### MIDWEST AQUATICS INC

(913) 451-6238  
11721 College Blvd., Overland Park, KS 66210  
PADI 5® instructor development center

### MIDWEST DIVING CENTER, INC.

(316) 265-3555  
2150 E. Douglas, Wichita, KS 67214  
Equip. repairs, air, trips, heated pools, hydro  
PADI full service training facility

### THE DIVE SHOP

(913) 677-DIVE  
7300 Frontage Rd., Merriam, KS 66203  
NAUI Pro Facility, full service facility

### THE PIRATES DEN

(913) 462-6631 / Colby, KS  
PADI certification, including specialties  
Equipment rental, sales, & service / air station

### TOPEKA DIVE SHOP

(913) 357-6709  
3032 E Six, Topeka, KS 66607  
NAUI & PADI, instructor, DAN 02 management

## KENTUCKY

### AQUARIUS DIVE SHOP

(606) 431-8626  
800 Elm Street, Ludlow, KY 41016

## DOLPHIN DIVE CENTER, INC.

(502) 684-2006  
2416 New Hartford Rd, Owensboro, KY 42303  
PADI instruction, full service facility

## INNERSPACE DIVE SHOP

(606) 276-2323  
828 Lane Allen Road, Lexington, KY 40504  
PADI dive center, Oceanic, Sea Quest, Tusa

## KENTUCKY DIVING HEADQUARTERS

(502) 897-6481  
3928 Shelbyville Road, Louisville, KY 40207  
Top pro equip for less/See our large showroom

## LOUISVILLE DIVE SHOP

(502) 458-8427  
2478 Bardstown Rd, Louisville, KY 40205  
Everything in diving!

## NEMO'S UNDER-SEE ADVENTURES

(606) 672-3152  
51 Main St., Hyden, KY 41749  
Dive Boat, U/W Vehicle Specialty; PADI

## NEW HORIZONS

(606) 277-1234  
2577 Regency Rd., Lexington, KY 40503  
PADI 5®, full service facility

## NORTHERN KENTUCKY DIVING CTR.

(606) 283-1550  
733 Burlington Pike, Florence, KY 41042  
SSI, Instructor training facility, indoor heated  
pool on location, sales, service & rental

## LOUISIANA

### AQUA TECH DIVE CENTER

(504) 341-3483  
6101 Westbank Expwy, Marrero, LA 70072  
Full service shop. PADI

### BRUCE'S DIVE SHOP

(318) 229-6916  
1310 Marshfield Rd., New Iberia, LA 70560  
Instruction, equipment, repairs, travel

### HARRY'S DIVE SHOP

(504) 888-4882  
4709 Airline Hwy, Metairie, LA 70001  
YMCA / NAUI full service facility

### INNERSPACE DIVE CENTER

(504) 272-3483  
12330 Florida Blvd, Baton Rouge, LA 70815  
PADI training center, sales, service & travel

### SCUBA PHANTASEAS

(504) 454-7330 / Open 7 days a week  
5050 West Esplanade, Metairie, LA 70006  
PADI Dive Center, Instr. retail, travel

### SQUARE WORLD DIVE CENTER

(504) 443-3483  
3218 Williams, Kenner, LA 70065  
PADI, Dacor, travel specialists

### THE SCUBA COMPANY

(504) 244-6292  
7212 Hayne Blvd, New Orleans, LA 70126-1857  
PADI 5® IDC - Rig dives

### THE WATER HABITAT OF

ALEXANDRIA  
(318) 443-5075  
P.O. Box 893; 3327 Jackson Street, Ste. A  
Alexandria, LA 71309

### UNDERWATER ADVENTURES

(504) 927-DIVE NAUI, PADI, & YMCA  
678 Jefferson Hwy, Baton Rouge, LA 70806  
Year-round instr, indoor heated pool, full service  
facility, travel center, NAUI, PADI, & YMCA

## MAINE

### KISSING FISH DIVE SHACK

(207) 454-7440  
161 Main St. P.O. Box 1308, Calais, ME 04619  
NAUI Pro Facility, IDEA training center

### MAINE DIVERS

(207) 990-3483  
368 Harlow Street, Bangor, ME 04401  
Sales, service, instruction, PADI

### TOMMY'S DIVE SHOP

(207) 772-5357  
273 Congress Street, Portland, ME 04101  
New England's oldest & largest, all major lines

## YORK BEACH SCUBA

(207) 363-4982  
21 Railroad Avenue, York Beach, ME 03910

## MARYLAND

### ABYSS SCUBA CENTER

(301) 856-7889  
6455 Old Alexander Ferry Rd, Clinton  
MD 20735 / PADI 5® full service shop

### ANNAPOLIS SCUBA CENTER

(410) 266-8327  
40 Hudson St. #107, Annapolis, MD 21401  
Full service PADI 5® facility

### AQUA VENTURES, INC.

(410) 66-OCEAN  
9731 York Rd, Cockeysville, MD 21030  
Full svc fac, priv. & group instruction, SSI

### ATLANTIC EDGE SCUBA CENTER

(301) 990-0223 PADI  
213 Muddy Branch Rd, Gaithersburg, MD 20878  
Beginner-instructor classes yr round, US Divers

### BRASS ANCHOR SCUBA CENTER

(301) 663-9363  
338 E. Patrick St., Frederick, MD 21701  
PADI 5®, US Divers, Sherwood, classes yr round

### DIVERS DEN INC.

(301) 668-6866  
8105 Harford Road, Baltimore, MD 21234  
ScubaPro, US Divers, Dacor, Sea Pro, Ikelite,  
Henderson, Nikonos, Aquatic, PADI dive center

### EAST COAST DIVERS

(410) 939-9030 / (410) 939-6175  
311 Saint Johns St, Harve De Grace, MD 21078  
Full Service, PADI

### SEA DIVE

(410) 326-4386 PADI / NAUI  
Rt 2-4 S&W Shopping Center, Solomons  
MD 20688 / US Divers, Sherwood,  
Parkway, Henderson, Ikelite, Dacor

### WET DREAMS

(301) 829-9121  
510 East Ridgeville Blvd., Mt. Airy, MD 21771  
PADI, Poseidon, Mares, Apollo & many more

## MASSACHUSETTS

### ACTON SCUBA

(508) 263-1611 / Acton, MA  
Air, instruction, rental, repair, service  
Worldwide dive travel

### AQUARIUS DIVING CENTER, INC.

(508) 759-DIVE  
3239 Cranberry Hwy, Buzzard's Bay, MA 02532  
Auth. Scubapro dealer, Instr., sls, air, rntl., dive  
travel. Open M-F 9-7; Sat & Sun 9-5; PADI

### CAPE COD SKI, BIKE & SCUBA

(508) 432-9035/in MA (800) DIVING-1  
Harwichport/Hyannis/Orleans-Raynham  
815 Main St., Harwichport, MA 02646  
2 dive charter boats, indoor pool, PADI 5®IDC

### DIVER'S MARKET, INC.

(508) 746-DIVE  
319 Court Street, Plymouth, MA 02360  
PADI 5®facility, dive travel & wreck diving

### DIVERS WORLD, INC.

(508) 251-4895  
195 Princeton St., N. Chelmsford, MA 01863  
Full service facility, PADI

### GET WET SPORTS

(617) 762-1990  
165 Westgate Drive, Brockton, MA 02401  
The most complete dive store in the USA; PADI

### INLAND DIVERS

(508) 892-3323 / NAUI & PADI  
100 S. Main St., Leicester, MA 01524  
Full svc fac, indoor pool, wetsuit repair

### NORTHEAST SCUBA, INC.

(508) 777-DIVE  
125 Liberty St., Danvers, MA 01923

### SOUTH SHORE SKIN DIVERS INC.

(617) 294-0819  
147 Bridge St., North Weymouth, MA 02191  
Sales, service, rentals, lessons. PADI

## THE SCUBA CENTER

(508) 761-5015  
One Highland Ave., S. Attleboro, MA 02703  
Full svc, local and tropical dive travel  
(Caribbean), all specialties available; PADI

## UNDERSEA DIVERS, INC.

(508) 927-9551  
42 Water St., Beverly, MA 01915  
Sales, instruction, air, rentals, service, boat  
dives, U/W photo specialists, PADI

## MICHIGAN

### DIVE SITE

(616) 323-3700 / (800) 622-6235  
9125 Portage Rd., Kalamazoo, MI 49002  
S.S.I., Training from beginner to instructor

### DIVER'S DEN

(313) 693-9801  
604 S. Lapeer Rd., Lake Orion, MI 48362  
Sales, service, rentals & local charters

### DIVERS INCORPORATED

(313) 971-7770/(313) 971-2925 FAX  
3380 Washtenaw Ave., Ann Arbor, MI 48104  
PADI 5® Instructor Development Center

### DON'S DIVE SHOP

(313) 477-7333  
29480 10 Mile Rd, Farmington Hills, MI 48024  
PADI 5® dive ctr, open wtr. & adv., dive  
mstr., nt. divg., ice divg., cpr, 1st aid, FL &  
Caribbean trips, Full service

### GREAT LAKES DIVE LOCKER

(616) 531-9440  
4909 S. Division, Wyoming, MI 49548  
Full service, year round PADI instruction

### GREAT LAKES SCUBA

(616) 943-3483  
22 N. US #31 South, Traverse City, MI 49684  
Sales, Service, Rentals, Trips

### M & M DIVING

(906) 863-7330  
1901 10th St., Box 74, Menominee, MI 49858  
Lake Superior & Lake Michigan charters

### MACOMB SCUBA CENTER

(313) 558-9922  
13465 E. 12th Mile Rd., Warren, MI 48093  
Full service, charter boat, PADI 5®

### MICHIANA SCUBA

(616) 683-4502  
301 East Main, Niles, MI 49120  
Compl. training fac, sales, rprs., air, trvl., PADI

### MICHIGAN UNDERWATER

SCHOOLS OF DIVING  
(313) 388-1322  
3280 Fort St., Lincoln Park, MI 48146  
Classes taught, indoor htd pool, travel, sls, ser

### SCUBA NORTH, INC.

(616) 947-2520  
13380 W Bayshore Dr, Traverse City, MI 49684  
Yr round instr, dive trips, local chrtr, rntls, rprs.,  
& hydros, all mjr brands, pkg. prices, NAUI

### THE DIVE SHOP

(313) 732-3900/(313) 732-4350  
G-4020 Corunna Rd., Flint, MI 48532  
SSI, basic-adv. classes avail., full service store

### TOM & JERRY'S SCUBA SHOP

(313) 278-1124  
20318 VanBorn St, Dearborn Heights, MI 48125  
Full service dive shop - including nitrox

### UNDERWATER OUTFITTERS

(313) 363-2224 2579 Union Lake Road,  
Commerce Township MI 48382 / Full service  
PADI/NAUI Pro Fac, all level instr, nitrox

### WEST MICHIGAN DIVING CENTER INC.

(616) 755-3771  
2367 W. Sherman Blvd., Muskegon, MI 49441  
5® PADI training facility

## MINNESOTA

### FANTASEA SCUBA & TRAVEL 7 days/wk

(612) 890-DIVE(3483) / (612) 890-7237 fax  
Minnesota's ONLY PADI 5®IDC Dive Center  
Just three minutes from the Mall Of America  
Scubapro, Sherwood, Tabata, Mares and more

# DIVE STORE DIRECTORY

## INNERSPACE SCUBA CENTER

(218) 729-9028  
4910 Miller Trunk Hwy, Duluth, MN 55811  
Full line scuba

## MICK'S SCUBA INC.

(218) 233-0448  
420 S. 21st St., Moorhead, MN 56560  
PADI 5@ dive ctr, year round travel & training

## MINNESOTA SCHOOL OF DIVING

(218) 829-5953  
712 Washington St, Brainerd, MN 56401  
PADI, commercial diving & instruction

## NORTHLAND DIVERS INC.

(612) 777-4278  
2017 Woodlynn Ave., Maplewood, MN 55109  
PADI 5@ dive center, travel & instruction

## PARADISE DIVERS

(218) 233-1758  
1009 17th Street South, Moorhead, MN 56560  
Full service NAUI Pro Facility

## SCUBA CENTER

(612) 925-4818  
5015 Penn Ave. S., Minneapolis, MN 55419  
Travel specialists, Minnesota's 1st PADI 5@Ctr.

## SMITH DIVING

(612) 789-DIVE  
2622 Central NE, Minneapolis, MN 55418  
NAUI Pro Facility

## UNDERWATER SCHOOL OF AMERICA

(612) 473-4266  
580 Willow Drive, Long Lake, MN 55356  
Full service fac & indoor pool, NASDS/SSI

## MISSISSIPPI

### CLUB CARIBBEAN DIVERS

(601) 392-7830  
10470 H D'Iberville Blvd, D'Iberville, MS 39532  
PADI training facility / Sea Quest, Mares, Tusa

### DIVE FIVE, INC.

(601) 832-8637  
Suite 2650 W Beach Blvd, Biloxi, MS 39531  
PADI, US Divers, Sherwood, & Sea Quest

### HUNTER'S DIVE SUPPLY

(601) 327-8749  
72 Chapman Road., Columbus, MS 39701  
Sales, service, instruction, search & recovery

## MISSOURI

### ACADEMY OF SCUBA TRAINING, INC.

(314) 335-0756  
437 Broadway, Cape Girardeau, MO 63701  
Lessons, specialty courses, PADI

### AQUASPORT SCUBA CENTER

(417) 883-5151  
5601 S. Campbell, Springfield, MO 65810  
NASDS, full time svc dept, travel, equip. sales

### BONNE TERRE MINE-BILLION

GALLON LAKE RESORT  
For reservations: (314) 731-5003  
Park & Allen St., Bonne Terre, MO 63628  
Underground lake, 1hr from St. Louis, 100ft  
visibility, 58° water temp.

### CAPTAIN JOHN'S SPORTS & SCUBA

(417) 673-2724  
P.O. Box E, MM Hwy., Oronogo, MO 64855  
14-acre diving lake on premises, PADI 5@

### CAPT. NEMO'S DIVE SHOP

(314) 442-DIVE  
1414B Rangeline St., Columbia, MO 65201

### CENTRAL MISSOURI DIVING &

MARINA BAY DIVE CENTER  
(314) 348-6900 / (314) 348-2200  
Osage Beach, MO 65065  
Lake of the Ozarks diving headquarters

### DIVER'S EQUIPMENT SCUBA CENTER

(816) 763-5678  
5800 Barrymore Dr, Kansas City, MO 64134  
Technical dive trng, NASDS, IAND, nitrox  
instr, I.E.C.'s, Midwest tech diving headquarters

### INNERWORLD DIVING CENTER

(314) 391-0005  
14021 Manchester Rd, Manchester, MO 63011  
PADI 5@ trng fac, authorized Scubapro dealer

## SHO-ME SCUBA

(417) 882-3483  
1675 E. Seminole, #G100, Springfield, MO 65804  
Full service facility, SSI & PADI

## THE DIVE SHOP OF ST. LOUIS, MO

(314) 968-8099  
9836 Manchester Rd., St. Louis, MO 63119  
PADI 5@, IDC, travel, svc, ed, sales & fun

## UNDERWATER SPORTS

(314) 352-9200  
7269 Watson Road, St. Louis, MO 63119  
PADI 5@ IDC, in-store pool

## WEST END DIVING CENTER

(314) 822-3005  
11004 Manchester Rd., St. Louis, MO 63122  
Full svc store, SSI, instr development center

## WEST END DIVING CENTER

(314) 731-5003  
11215 Natural Bridge Rd, St. Louis, MO 63044  
Full service dive ctr, SSI instr. development ctr.

## Y-KIKI DIVERS

(314) 469-8722  
12959 Olive Arcade Pl., St. Louis, MO 63141  
YMCA, CMAS, NAUI, PADI, full service

## NEBRASKA

### DIVESTAR SCUBA DIVING SCHOOL

(402) 391-1155  
2322 North 72nd St., Omaha, NE 68134  
Sales, service, school, travel, air, rental, NASDS

### HEARTLAND SCUBA CENTER

(308) 237-7943 / (800) 344-DIVE  
101 East 24th Street, Kearney, NE 68847  
PADI 5@ dive center

## NEVADA

### DAWN'S HIGH DESERT DIVERS

(702) 753-6706  
246 Croydon Court, Elko, NV 89801  
PADI dive center, Sherwood, Dacor, Tusa

### HIGH SIERRA SPORTS, INC.

(702) 885-1891  
2303 N. Carson St., Carson City, NV 89706  
PADI 5@ IDC

### NEPTUNE DIVERS

(702) 564-LAKE  
600 W. Sunset, #103, Henderson, NV 89015  
PADI, rapids, river diving

### SIERRA DIVING CENTER

(702) 825-2147  
104 E. Grove Street, Reno, NV 89502  
PADI 5@ instr. development center (IDC)

## NEW HAMPSHIRE

### DIVERS DEN DIVE SHOP

(603) 644-DIVE  
730 Mammoth Road, Manchester, NH 03104  
Full service shop, dive charters, Caribbean trips

### LAPORTE'S SKINDIVING SHOP

(603) 763-5353  
Rte 103, Box 53, Newbury, NH 03255  
Sales, svc, PADI cert, rntl, air, salvage, repair

## NEW JERSEY

### ATLANTIC DIVERS, INC.

(609) 641-7722  
RD 3, Box 4 Fire Rd, Pleasantville, NJ 08232  
Year-round wreck divg, lrgst dive sched. in NJ

### DOSILS SCUBA CENTER

(908) 787-0508  
261 Rt. 36, North Middletown, NJ 07734  
PADI full service facility

### EAST COAST DIVING SERVICE

(201) 591-9374  
340F Spring Valley & Texas Rd.  
Morganville, NJ 07751  
New Jersey's 1st PADI 5@training & travel fac

### EAST COAST DIVING SUPPLY

(609) 646-5090  
1002 New Road, Northfield, NJ 08225  
Sales, lessons, rentals, repairs; NAUI, PADI

## ELITE DIVERS, INC.

(201) 586-2214  
Brick Church Plaza at Rt. 46  
Rockaway, NJ 07866  
Full service dive store, NAUI, PADI

## FANTASEA

(908) 846-5200  
37 South Main Street, Milltown, N.J. 08850  
YMCA, Sherwood, Parkway, Tusa

## INLET DIVE CENTER

(908) 899-4545  
318 Broadway, Point Pleasant Beach, NJ 08742  
PADI, full service dive ctr, major brands, travel

## JORDAN DIVE CENTER

(908) 469-9393  
185 Cedar Grove Lane, Somerset, NJ 08873  
PADI & NAUI. One stop does it all.

## LAKELAND SCUBA DIVERS

(201) 887-0194  
92 Route #10, East Hanover, NJ 07936  
Indoor heated pool, sales, rentals, repairs  
PADI, NAUI, YMCA

## NEW JERSEY SCUBA SUPPLY

(609) 751-6702  
1990 East Rt. 70, Cherry Hill, NJ 08003  
Chrtts-local & islands, equip, svc, NAUI, PADI

## PRINCETON AQUA SPORTS

(609) 924-4240  
306 Alexander Street, Princeton, NJ 08540  
PADI 5@ IDC instruction, travel, rental

## PROFESSIONAL DIVERS INC.

(908) 775-8292  
70 Hwy 35, Neptune City, NJ, 07753  
PADI, SSI, NASDS, Scubapro, travel

## SCUBA EXPERIENCE & AQUATICS

(609) 584-8008 / (609) 584-1197 fax  
541 Route 33, Mercerville, NJ 08619  
PADI 5@training facility

## TREASURE COVE DIVERS, INC.

(908) 654-8808  
327 South Avenue, Westfield, NJ 07090  
PADI, NAUI, IANTD - open water thru trimix

## UNDERWATER DISCOVERY, INC.

(201) 270-9100  
2722 Rt. 37 East, Toms River, NJ 08753  
Come see the Professionals, PADI, full service

## UNDERWATER SPORTS

(201) 843-3340  
Route 17 South, Rochelle Park, NJ 07662  
Scubapro dealer; full svc; indoor heated pool

## WHITEHOUSE AQUATIC CENTER, INC.

(908) 534-4090  
424 Hwy 22 West, Whitehouse Sta., NJ 08889  
Sales, service, air, lessons, trips

## NEW MEXICO

### NEW MEXICO SCUBA CENTER

(505) 271-0633  
7618 Menaul Blvd NE, Albuquerque, NM 87110  
Full svc store, travel, SSI, Sea Quest/Scubapro

### SANTA ROSA DIVE CENTER

(505) 472-3370  
Blue Hole Rd, PO Box 196, Santa Rosa, NM 88435  
Air fill station and equipment rental

### WATERSPORTS, INC.

(505) 883-0633  
4927 Prospect NE, Albuquerque, NM 87110  
PADI 5@ IDC, Dacor, Henderson

## NEW YORK

### AA #1 DIVE INC.

(516) 872-4571  
1 South Central Ave, Valley Stream, NY 11580  
Corner of Merric Rd., PADI, Chrtts. & rntls.,  
Safe-air, equip. best prices & service

### AQUATIC CENTER OF ROCHESTER

(716) 334-1670  
2199 E. Henrietta Road, Rochester, NY 14623  
PADI 5@ full svc scuba/watersports activities

### AQUATIC WORLD LTD.

(315) 458-1955  
114 Kreischer Rd., N. Syracuse, NY 13212  
Full service training fac, rentals, lessons, PADI

## BYRAM BAY SPORTS INC.

(914) 937-2685  
500 N. Main St., Portchester, NY 10573  
Sales, service, trips, classes, rentals

## DIP 'N DIVE, INC.

(716) 837-3483  
500 Niagara Falls Blvd, Buffalo, NY 14223  
NAUI, local charters & trips Niagara river dives

## DIVE LOCKER

(914) 381-5935  
621 E Boston Post Rd, Mamaroneck, NY 10543  
Sales, service, rentals, air fills, PADI

## DUTCHESS DIVING CENTER, INC.

(914) 462-0255  
503 South Rd., Rt. 9, Poughkeepsie, NY 12601  
NAUI Pro Facility, US Divers, Tekna

## EAST COAST DIVING

(718) 979-6056  
1500 Hylan Blvd, Staten Island, NY 10305  
PADI 5@ IDC, over 50 brands, wreck diving

## GREAT LAKE DIVERS INC.

(716) 836-6900  
244 Niagra Falls Blvd, Buffalo, NY 14223  
Sales, service, lessons, trips; NASDS

## INNERSPACE DIVING & AQUATICS

(516) 671-5454  
57 Forest Avenue, Glen Cove, NY 11542  
Scubapro, Dacor, Henderson

## ISLAND SCUBA CENTER

(516) 546-2030  
74 Woodcleft Ave., Freeport, NY 11520

## LEISURE PRO

(800) 562-4424 / (212) 645-1234  
We carry all major brands  
242 West 18th St. 3rd Fl, New York, NY 10011

## METRO SCUBA

(800) 870-6915 / (914) 736-6505  
139 6th St. PO Box 779, Verplanck, NY 10596  
Westchester Co. / PADI, full service store

## MIDDLETOWN SCUBA SUPPLY

(914) 343-2858  
17 Dolson Ave. Rt 17 M, Middletown, NY 10940  
Full service store, PADI, SSI

## NATIONAL AQUATIC SERVICES

(315) 479-5544 / (800) SEA DIVE  
1732 Erie Blvd, Syracuse, NY 13210  
Full service facility, worldwide travel, NASDS

## PAN AQUA DIVING, INC.

(212) 496-2267 open 7 days a week  
101 W. 75 St., New York, NY 10023  
Basic instruction, local group trips and travel,  
on-site compressor, PADI, NAUI, YMCA

## PARAGON SPORTS

(212) 255-8036  
US Divers/Oceanic/Sherwood/Dacor/Cressi/  
Body Glove/O'Neil/Henderson/Heuer/Wenoka

## PECONIC SCUBA

(516) 727-7578  
1140 Flanders Road, Rt. 24,  
Riverhead, NY 11801 / PADI

## PISCES SCHOOL OF DIVE

(212) 947-5018  
781 Fairport East, Rochester, NY 14445  
Certified travel, weekly boat dives

## PROFESSIONAL SCUBA

(716) 648-DIVE  
5777 Camp Rd, Hamburg(Buffalo), NY 14075  
Full service, Scubapro, PADI

## PUTNAM DIVE CENTER

(914) 628-1386  
Rt 6 North, PO Box 713, Mahopac, NY 10541  
5@ PADI dive center

## SCUBA HUT, INC.

(716) 385-6430  
242 West Commercial St, Rochester, NY 14445  
PADI 5@ facility

## SCUBA TRAINING & EQUIP. CENTER

(914) 358-6250  
12 Bobby Lane, West Nyack, NY 10994  
Air, sales, rentals, repairs, instruction, NAUI

# DIVE STORE DIRECTORY

**SEAFAN SCUBA CENTER**  
(607) 754-0873  
101 East Main Street, Endicott, NY 13760  
PADI 5® IDC Center

**SEA HORSE DIVERS**  
(718) 897-2885  
95-58 Queens Boulevard, Queens, NY  
PADI 5® IDC, sls, lessons, repairs, charter boat

**SOUTHSIDE VARIETY & DIVE CENTER**  
(607) 733-3832  
401 Broadway, Elmira, NY 14904  
Dacor & Mares, full time, full service

**STEWART & BERGEN CO.**  
(518) 762-3181  
100 East State Street, Johnstown, NY 12095  
Air stations, sales & service

**SUFFOLK DIVING CENTER**  
(516) 261-4388  
58 Larkfield Rd, East Northport, NY 11731  
Group dives, travel charters, PADI, SSI

**UNDERWATER WORLD**  
(716) 569-5509  
RD 5, Riverside Rd., Jamestown, NY 14701  
Full service dive store, YMCA

**UNDERWATER WORLD, INC.**  
(516) 679-9709  
3028 Merrick Road, Wantagh, NY 11793  
Sales, instruction, travel, local dives

## NORTH CAROLINA

**ADVENTURE SCUBA, INC.**  
(704) 541-8541  
8700 Pineville-Matthews Road, Charlotte, NC 28226 / Full service NAUI facility

**AQUATIC SAFARIS**  
(919) 392-4386  
5751-4 Oleander Drive, Wilmington, NC 28403  
Daily dive charters, full service PADI facility

**BILL'S SCUBA, INC.**  
(919) 847-6169  
7323 Six Forks Road, Raleigh, NC 27615  
YMCA, NAUI, full service facility

**BLUE DOLPHIN DIVE CENTER**  
(919) 760-9226  
3010 S. Stratford, Winston-Salem, NC 27103  
PADI 5® fac, IDC instr dev ctr, sales, travel

**BREEZE SCUBA**  
(704) 855-1501  
101 North Main, China Grove, NC 28023  
Equipment Sales & Service-Excursions

**CRYSTAL COAST DIVING ADV.**  
(919) 347-DIVE / (800) 843-4834  
713 New Bridge St., Jacksonville, NC 28540  
PADI 5® training facility, IDC

**DISCOVERY DIVING CO., INC.**  
(919) SCUBA-OK (728-2265)  
414 Orange St. Beaufort, NC 28516  
PADI 5®, 7 charter boats, full service, 2 lodges

**ISLAND HOPPERS DIVE CENTER**  
(919) 854-DIVE  
2827 Spring Garden St, Greensboro, NC 27403  
PADI 5®, US Divers, Sea Quest, dive travel

**N.C. SCUBA**  
(919) 276-9302  
Rt. 7, Box 380, Laurinburg, NC 28352  
PADI full service facility, local and int'l travel

**NEW WAVE DIVE & TRAVEL**  
(919) 659-9500 Centre Stage Shopping Center  
5074 Styers Ferry Rd, Winston-Salem, NC 27104  
Sales, service, travel, PADI training, rentals

**OLYMPUS DIVE CHARTERS**  
(800) 992-1258 / (919) 726-9432  
713 Shepard Street, Morehead, NC 28557  
PADI, NAUI Pro Fac, wreck diving, spear fishing

**OCEAN WONDERS DIVE CENTER INC.**  
(919) 758-1444  
2905 East Fifth, Greenville, NC 27834  
Scubapro, instruction, charters, NAUI, PADI

**PARADISE ISLAND DIVERS**  
(704) 525-9234  
2600 South Boulevard, Charlotte, NC 28209  
Open 7 days wk, all major brands/certifications

**SCUBA SOUTH DIVING COMPANY**  
(919) 457-5201  
222 South River Dr, Southport, NC 28461  
Full service NAUI wreck diving specialists

**THE DIVE SHOP**  
(704) 459-7440 / (800) 848-3467  
PO Box 877, Claremont, NC 28610  
Instructions, sales, service, trips, PADI

## OHIO

**ANCHOR DIVE CENTER OF WILLOUGHBY**  
(216) 942-7575  
36200 Euclid Avenue, Willoughby, OH 44094  
Sales, service, travel, PADI 5® IDC

**AQUA HUT**  
(419) 476-3100  
5030 Bennett, Toledo, OH 43612  
Sales, trips, mtl, instr, SSI, NAUI, PADI

**AQUA SPECIALISTS, INC.**  
(216) 521-4855 / (216) 521-4858 fax  
14813 Madison Ave, Lakewood, OH 44107-4009  
Lake Erie wreck dives, full service fac, travel  
PADI, NAUI Pro Facility

**BUCKEYE DIVING SCHOOL**  
(216) 439-3677  
46 Warrensville Cntr Rd., Bedford, OH 44146  
SSI instr, trng fac, PADI, full svc, travel, sales

**C & J SCUBA SUPPLY**  
(513) 890-6900  
5825 N. Dixie Dr, Dayton, OH 45414  
PADI, full service dive shop

**CINCINNATI DIVING CENTER**  
(513) 521-3483  
8412 Winton Road, Cincinnati, OH 45231  
Sales, svc, rental, travel, instr, PADI, NASDS

**D & M SPORT DIVING**  
(216) 784-1414  
1473 Canton Road, Akron, OH 44312  
Instruction, air fills, rentals, sales, PADI

**DALE'S DIVING SHOP, INC**  
(419) 625-4134  
302 Meigs Street, Sandusky, OH 44870  
Full service shop, YMCA instruction

**DEEP SIX SPECIALISTS INC**  
(216) 724-8737  
1074 Brain Street, Akron, OH 44301  
Full service NAUI Pro Facility

**DIVER'S PORT O'CALL, INC.**  
(216) 473-4837  
5418 Mayfield Road, Lyndhurst, OH 44124  
Sales, service, training, PADI

**J.R.S. SCHOOL OF SCUBA**  
(216) 325-2233  
3934 Sanford Road, Rootstown, OH 44272  
Sales, service, mtl, air, trips, YMCA, PADI

**LONG LAKE SCUBA, INC.**  
(800) 289-3040  
14245 Kolter Road, Spencerville, OH 45887  
Lessons, sales, mtl, svc, PADI, SSI, HSA

**MIAMI VALLEY SCHOOL OF DIVING**  
(513) 434-DIVE / (800) 434-3483  
871 East Franklin, Centerville, OH 45459  
US Divers, Dacor, Tabata authorized dealer

**PORTAGE QUARRY DIVE SHOP**  
(419) 352-9203 / (419) 352-8488  
12701 S. Dixie Hwy, Bowling Green, OH 43402  
PADI, PDIC, CMAS, Instr. check-outs, full svc

**SCUBA WEST INC.**  
(216) 476-3483  
17025 Lorain Ave., Cleveland, OH 44111  
NASDS Inst trng fac/Lake Erie, wrecks, full svc

**THE UNDERWATER CONNECTION**  
(614) 487-9777  
1607 West 5th Avenue, Columbus, OH 43212  
Yr round instr, trips, Beuchat dealer, PADI 5®

**UNDERWATER DIVE CENTER**  
(216) 324-3434  
42551 Northridge Road, Elyria, OH 44035  
PADI 5® wreck charters

## OKLAHOMA

**DIVE SITE**  
(918) 664-5717  
4405 South Sheridan, Tulsa, OK 74145  
SSI trng crt thru instr level, full svc, sales, travel

**HI-PERFORMANCE SCUBA**  
(405) 755-2353  
10461 N. May Ave, Oklahoma City, OK 73120  
PADI 5® dive center, sales & instruction

**OKLAHOMA SCUBA**  
(405) 366-8111  
1000 E Alameda Ste 102-C, Norman, OK 73071  
NAUI Pro Fac, YMCA program/Tusa, Beuchat

**SEAHORSE SCUBA, INC.**  
(918) 627-3607  
2607 S. Memorial, Tulsa, OK 74129  
PADI 5® IDC dive ctr. Trvl w/ "The Fun Guys!"

## OREGON

**AQUATIC SPORTS**  
(503) 245-4991  
10803 SW Barbur Blvd, Portland, OR 97219  
NASDS instr, indoor htd pool, dive tours, equip system specialists

**EUGENE SKIN DIVERS SUPPLY**  
(503) 342-2351  
1090 West 6th Avenue, Eugene, OR 97402  
Full service facility, PADI

**REESE'S DIVE CENTER**  
(503) 535-2223  
PO Box 488, Phoenix, OR 97535  
NAUI Pro / SSI facility

**SALEM SCUBA & TRAVEL INC.**  
(503) 588-DIVE  
1170 Vista SE, Salem, OR 97302  
PADI 5® trng fac, all spec, Blake A. Fry-Pres.

**SCUBA UNLIMITED**  
(503) 777-3347  
8450 S.E. 82nd Avenue, Portland, OR 97266  
PADI 5® training facility

**SPECIALTY SPORT, INC.**  
(503) 686-0798  
1565 West 7th Avenue, Eugene, OR 97402  
PADI 5® facility

**UNDER WATER WORKS, INC.**  
(503) 620-6993  
12170 SW Main, Tigard, OR 97223  
PADI 5® training facility

## PENNSYLVANIA

**AAQ-TECH DIVE CENTER**  
(215) 642-DIVE  
911 Rittenhouse Place, Ardmore, PA 19003  
PADI, NAUI, full service facility, trips

**ANCHOR LINE SCUBA & DIVE SHOP**  
(215) 566-2330  
1032 N. Providence Road, Media, PA 19063  
Sales, service, trips, NAUI, YMCA, CMAS

**BLUE HORIZON DIVE CENTER**  
(215) 462-7587  
1100 S. Delaware Ave., Philadelphia, PA 19147  
PADI 5® IDC facility  
We make diving safe and fun!

**DOC'S DIVERS, LTD.**  
(215) 364-0408 PADI 5®  
275 Second St. Pike, Southampton, PA 18966  
Indr heated pool, instr, rental, repairs, travel

**DUDAS' DIVING DUDS**  
(215) 436-0176  
101 Bartram Lane, West Chester, PA 19382  
Full line NAUI fac, Scubapro franchise dealer, over 100 manufacturers represented, NAUI

**FANTASEAS WATER GEAR**  
(814) 835-DIVE  
44 Peninsula Drive, Erie, PA 16505  
Instr, rental, equip sales, travel/tours, beachwear

**MID ATLANTIC SCUBA CENTER**  
(215) 245-0141 3600 Old Street Road  
Bensalem, PA 19020 / We practice "safe selling" with MASC double guarantee.

**PISCES DIVERS, INC.**  
(717) 253-0552  
313 Park St., Honesdale, PA 18431  
SSI Instructor Training Facility

**REGEC'S DIVING UNLIMITED**  
(814) 375-1069  
490 Treasure Lake, DuBois, PA 15801  
Full PADI certification courses

**SCUBA SOUTH**  
(412) 531-5577  
3021 Banksville Road, Pittsburgh, PA 15216  
PADI 5®, sales, instruction, rental, svc, travel

**SCUBA TANK**  
(215) 868-7373  
4102 Bath Pike, Bethlehem, PA 18017  
PADI, Dutch Springs

**SCUBA VENTURE, INC.**  
(215) 678-2688  
Route 422 West, Sinking Spring Plaza  
Sinking Spring, PA 19608  
PADI 5® IDC / US Divers, Dacor, Henderson

**SMOKEY'S DIVERS DEN**  
(717) 393-5333  
412 North Duke Street, Lancaster, PA 17602  
PADI 5®. Sales, service, rental, instr & travel

**SUNKEN TREASURE DIVE SHOP**  
(717) 398-1458  
RR4 Box 389-14, Jersey Shore, PA 17740  
PADI 5® fac, sales, svc, retail, dive travel

**THE DIVING BELL, INC**  
(215) 763-6868  
681 North Broad St, Philadelphia, PA 19123  
Dacor, Henderson, Parkway, Wenoka for 21 years

**UNDERWATER WORLD, INC.**  
(215) 672-4180  
495 Easton Rd., Horsham, PA 19044  
Instruction, travel, repairs, NAUI, YMCA

**WRECKS & REEFS DIVE CENTER**  
(610) 437-9994  
1403 N CedarRidge Blvd, Allentown, PA 18104  
PADI facility, full Master Instructor staff

## RHODE ISLAND

**NEWPORT DIVING CENTER**  
(401) 847-9293  
550 Thames Street, Newport, RI 02840  
NAUI/PADI, charters, full service facility

**OCEAN STATE SCUBA**  
(401) 423-1662 / (800) 933-DIVE  
23A Narragansett Ave, Jamestown, RI 02835  
PADI wkend adv. classes, dive chrtrs, specialties

**UNITED DIVERS, INC.**  
(401) 274-4482  
209 Elmwood Avenue, Providence, R.I. 02907  
Full svc, indoor heated pool, weekend classes

## SOUTH CAROLINA

**AQUA VENTURES**  
(803) 884-1500 / PADI  
426 Coleman Blvd., Mt. Pleasant, SC 29464  
River/offshore charters, full line Dacordealer

**CHARLESTON SCUBA**  
(803) 722-1120  
35 Lockwood Drive, Charleston, SC 29401  
28' Delta, offshore and river fossil dives, PADI

**DIVERS WORLD**  
(803) 277-8659  
3225 Augusta Road, Greenville, SC 29605  
Upstate's oldest dive center. PADI certification

**HURRICANE SCUBA CHARTERS**  
(803) 249-3571 / (800) 828-7189  
Veeran's Marina, Hwy 17 & 11th Ave  
North Myrtle Beach, SC 29597  
Full svc charters, PADI instruction, dive travel, sales, rentals, service

**ISLAND SCUBA INC.**  
(803) 237-1317 / (803) 237-1317  
Pawleys Station, Pawleys Island, SC 29585  
Full service PADI dive center, dive trips avail.

**NEPTUNE DIVE & SKI, INC.**  
(803) 279-2797 / (803) 442-7600 fax  
133 Georgia Avenue, North Augusta, SC 29841  
Full service, NASDS, 30+ years!

# DIVE STORE DIRECTORY

**SCUBA SYNDROME**  
(803) 626-3483 / (800) 647-DIVE  
2718 Hwy 501, Myrtle Beach, SC 29577  
Full service PADI dive center, daily charters

**SCUBA VENTURES, INC.**  
(808) 328-0000  
715 Saluda Street, Rock Hill, SC 29730  
PADI 5@training fac/ Oceanic,Tabata,SeaQuest

## TENNESSEE

**ADVENTURE SWIM & SCUBA**  
(615) 690-DIVE  
7664 Northshore Drive, Knoxville, TN 37919  
PADI weekend certification courses

**AMERICAN SCUBA CENTER**  
(615) 371-0000  
142 Pewitt Drive, Brentwood, TN 37027  
Instruction, commercial equipment sales, SSI

**DIVE SHOP**  
(901) 324-0267  
3149 Poplar, Memphis, TN 38111  
NASDS, full service facility

**DOWDLE SPORTING GOODS**  
(901) 767-1505  
5100-12 Park Avenue, Memphis, TN 38117  
Full service scuba store

**H2O SCUBA CENTER**  
(901) 664-9373  
231 North Parkway, Unit 1, Jackson, TN 38305  
Full service, SSI & NAUI, dive travel

**H2O SCUBA CENTER**  
(901) 458-5006  
2711 Union Extended, Memphis, TN 38112  
Full Service, SSI & NAUI, dive travel

**LEISURE TIME DIVE & SKI CENTER**  
(615) 622-1335  
3520 Brainerd Road, Chattanooga, TN 37411  
PADI 5@, travel network

**NEPTUNE DIVING AND SKI CO., INC.**  
(615) 383-8565  
2610 Franklin Road, Nashville, TN 37204  
NASE, YMCA

**RHEA'S DIVING SERVICES, INC.**  
(615) 977-0360  
313 Whitecrest Drive, Maryville, TN 37801  
NAUI ProFac, indoor heated pool, NACD  
Specializing in cavern & cave training

**RIDGE SCUBA CENTER**  
(615) 483-DIVE  
270 Midway Road, Oak Ridge, TN 37830  
PADI, NAUI, YMCA, full service facility

**SCUBA HERE**  
(615) 890-5542  
607 S.E. Broad St., Murfreesboro, TN 37130  
Full service store, sales, rental & trips

**THE S.E.A SHACK** (615) 868-0640  
617 E. Old Hickory Blvd, Madison, TN 37115  
Full service PADI-HSA training facility  
Open water - Assistant Instructor, specialties  
Authorized PRO SUB - MARES dealer

## TEXAS

**AMERICAN DIVING**  
(210) 761-2030 / (210) 761-6039 fax  
1807 Padre Blvd, South Padre Island, TX 78597  
Full service dive shop, charter service, NAUI

**CONROE SCUBA & SKI, INC.**  
(409) 539-1414  
812 West Dallas Street, Conroe, TX 77301  
PADI 5@ IDC, sales, training, & travel

**DISCOVER SCUBA**  
(713) 480-8530 / Webster, TX  
PADI 5@ training facility / Sherwood, Cressi,  
Ocean Edge, Body Glove, Wenoka

**DIVE WORLD**  
(512) 340-3721  
8507 N McCullough, San Antonio, TX 78216  
Full service, travel, indoor pool, PADI 5@

**DIVER'S DEPOT**  
(800) 275-3535 / (409) 564-3483  
720 South Street, Nacogdoches, TX 75961  
PADI 5@IDC, over 30 IDC's each year

**DIVERS ISLE**  
(214) 230-1481  
902 North Beckley, Lancaster, TX 75146  
PADI, full svc fac, trips, repairs, 27 specialties

**DUGGAN DIVING ENT.**  
(210) 658-7495  
928 Coronado Blvd., Universal City, TX 78148  
PADI 5@ full service shop

**FOR DIVERS ONLY**  
(214) 31-SCUBA  
1235 S. Josey Lane #540, Carrollton, TX 75006  
Full service center

**ISLAND SEA SPORTS**  
(512) 749-4167  
736 Tarpon Street, Port Aransas, TX 78373  
Full svc fac, US Diver, Sherwood, chrtres, PADI

**LAKE TRAVIS SCUBA PARK-AUSTIN, TX**  
(512) 266-2666 (by reservation only)  
A unique o.w. training facility & dive resort.  
Large u/w wrecks, pet fish, good visibility. Float-  
ing lounge, museum w/ submerged observation  
room. Air fills, overnight equipment storage &  
much more. The best dive spot in Texas  
"guaranteed"

**M & M SCUBA**  
(409) 299-DIVE  
716 North Hwy 288, Clute, TX 77531  
NAUI Pro Fac, full service ctr, travel, instr

**OCEAN'S WINDOW**  
(214) 423-DIVE  
2301 N. Central Expwy., Plano, TX 75075  
PADI 5@ IDC

**PLAECO SKI & SCUBA**  
(214) 241-7547  
243 Webb Chapel Village, Dallas, TX 75229  
PADI, classes, rentals, trips

**PRO SCUBA CENTER**  
(214) 593-6254  
341 South Bonner, Tyler, TX 75702  
YMCA, CMAS, full service dive shop

**DIVERS CHOICE**  
(800) 256-6153 / (713) 621-4362  
4016 Richmond, Houston, TX 77041  
Specialties-PADI-trvl-Cayman-Gulf 14day  
cruise, eco-tours of u/w photo & reef ID classes

**SCUBA CENTER AQUATICS**  
(713) 896-8045  
13114 Chimney Sweep, Houston, TX 77041  
PADI Master Instr, specialties, travel & Cayman

**SCUBA SCHOOLS OF FORT WORTH**  
(817) 732-5761  
3807 Southwest Blvd., Ft. Worth, TX 76116

**SCUBALAND ADVENTURES**  
(512) 339-0733  
9515 North Lamar Blvd, Austin, TX 78753  
PADI 5@ IDC, full service facility

**SCUBATEC**  
(409) 637-1797  
113 North Second Street, Lufkin, TX 75901  
Full service facility, PADI, 12 specialties

**STOVALL'S DIVE SHOP**  
(915) 699-5959  
3325 W. Wadley A-2, Midland, TX 79707  
Safe diving since 1954, PADI 5@training fac

**TOTALLY SCUBA**  
(817) 939-1458 / Belton, TX 76513  
Your dive travel experts, individual or group  
PADI 5@training facility

**TRIDENT DIVING**  
(512) 734-7442  
2110 West Ave, San Antonio, TX 78201

**TROPICAL DIVERS**  
(512) 490-3483  
2250 Thousand Oaks, #212, San Antonio, TX  
78232 PADI, IDC, in house travel agency

**W.W. DIVING CO.**  
(713) 540-1616 / (713) 446-8861 information  
1307 1st Street East, Humble, TX 77338  
SSI, all levels, full service store

## UTAH

**DIVE UTAH**  
(801) 277-3483  
4679 S. 2225 East., Holladay, UT 84117  
PADI, full service, monthly travel

**NEPTUNE DIVERS**  
(801) 466-9630  
2445 S. 900 East, Salt Lake City, UT 84106  
Sales, rentals, trips, indoor pool, instr, cert

## VERMONT

**WATERFRONT DIVING CENTER**  
(802) 865-2771  
214 Battery Street, Burlington, VT 05401  
Rental, charters, trips, service, NAUI

## VIRGINIA

**AMERICAN WATER SPORTS OF VA,**  
(703) 534-3636  
6182 Arlington Blvd., Falls Church, VA 22044  
PADI, NAUI, SSI, all mjr brands, trips, rental

**AQUA SAFARIS DIVE CENTER**  
(804) 473-0847 / PADI & NAUI  
4724 Va. Beach Blvd, Virginia Beach 23462  
Indoor heated pool/Hatteras, NC dive charters

**CHESAPEAKE DIVING CENTER**  
(804) 838-2218  
1815 W. Queen St., Hampton, VA 23666  
1st PADI 5@ Instructor Dev Ctr in Virginia!

**CORAL EDGE DIVERS, INC.**  
(703) 318-0170 Reston, VA  
Full service facility  
Simply the best prices, quality & service

**DIVERS CORNER**  
(703) 639-6478  
1530 1st Street, Radford, VA 24141  
PADI

**DIVING ENTERPRISES, LTD**  
(703) 989-1555  
4040 Franklin Road SW, Roanoke, VA 24014  
PADI 5@ IDC

**LYNNHAVEN DIVE CENTER**  
(804) 481-7949  
1413 N Great Neck Road  
Virginia Beach, VA 23454  
Pool on premises, local and exotic dive charters,  
liveaboard dive boat. Tidewater's largest full  
service shop. Open daily! NAUI, PADI, SSI

**RUDEE INLET DIVE CENTER**  
(804) 425-2997 NAUI certification  
1091 Norfolk Ave #107, Virginia Beach,  
VA 23451 Boat trips, rentals, vacation pkgs

**THE DIVE SHOP**  
(804) 353-1888  
1707 Commonwealth Ave., Richmond, VA  
23221 Full service training facility, PADI

**"THE" DIVE SHOP**  
(703) 698-7220 / (703) 641-9345 fax  
3013 Nutley Street, Fairfax, VA 22031  
Serving DC area, travel, training, sales, PADI

## WASHINGTON

**ADVENTURES DOWN UNDER**  
(206) 676-4177  
701 East Holly Street, Bellingham, WA 98225  
Full service PADI dive ctr, u/w photo specialists

**AMERICAN SPORT DIVER**  
(206) 821-7200 / (206) 821-1361 fax  
12630 120th Avenue NE, Kirkland, WA 98034  
PADI 5@ facility

**DEEP END II SCUBA**  
(509) 966-1570  
5808A Summitview Ave, Yakima, WA 98908  
PADI facility, sales, service, rental & travel

**DOLPHIN TOO**  
(206) 892-1633  
3021 NE 72nd Ave, #47, Vancouver, WA 98661  
Full service dive shop, NAUI Pro Facility

**EMERALD SEAS AQUATIC CENTER**  
(206) 378-2772 / (206) 378-5549 fax  
PO Box 476, 180 First St, Friday Harbor, WA  
98250/ Year round dive charters, full service ctr

**EXOTIC AQUATICS SCUBA  
AND WATERSPORTS**  
(206) 842-1980  
154 Winslow Way E, Bainbridge Is, WA 98110  
PADI, dive guide service, boat charters

**SCUBA SPORTS EXPEDITIONS, INC.**  
(206) 228-7332 / (206) 228-2216  
241 Sunset Blvd North, Renton, WA 98055  
NAUI & PADI Pro Facility

**SOUND DIVE CENTER, INC.**  
(206) 373-6141  
990 Sylvan Way, Bremerton, WA 98310  
NAUI and PADI certifications

**THUNDER REEF DIVERS, INC.**  
(206) 573-8507  
12104 N.E. Hwy. 99, Vancouver, WA 98686

## WASHINGTON DC

**NATIONAL DIVING CENTER**  
(202) 363-6123  
4932 Wisconsin Ave NW, Washington, DC  
20016 Charters (MD & VA), equip, sls, svc,  
training for NAUI & PADI certification

## WEST VIRGINIA

**DIVEALOT SCUBA CENTER**  
(304) 255-2664  
1557 Robert C. Byrd Drive  
Crab Orchard, WV 25827 - PADI, MFA, 12  
specialty diving areas, medic, first aid

**HUNTINGTON SPORT AND  
COMMERCIAL DIVE CENTER**  
(304) 529-6622  
3234 Woodland Drive, Huntington, WV 25705  
Ask for Charlie! PADI, YMCA, MDEA

**INTERSTATE AQUATICS**  
(304) 296-1501  
827 Fairmont Ave #107, Morgantown WV 26505  
PADI full service 5@ dive center

**ST. ALBANS SCUBA**  
(304) 768-7753  
505 Dunbar, Dunbar, WV 25064  
PADI full service facility

## WISCONSIN

**BENNETT ACADEMY OF SKI**  
(414) 258-6440  
6509 W. North Ave., Wauwatosa, WI 53213

**DIVEPOINT SCUBA CENTER**  
(715) 344-3483  
632 Isadore Street, Stevens Point, WI 54481  
PADI training facility, charters, full service

**DIVE USA**  
(414) 242-DIVE  
134 North Main St., Thiensville, WI 53092  
PADI full service facility, charters, Int'l travel

**DIVERS' DELIGHT**  
(414) 334-6057  
1322 Main Street, West Bend, WI 53095  
Lake MI & SUP wreck dives, full service,  
PADI

**ERVINS SCUBA CENTER**  
(414) 425-6924  
5730 South 108th St, Hales Corner, WI 53130  
PADI & NAUI, 33rd year in business

**FONTANA OUTDOOR SPORTS**  
(414) 275-2220  
Hwy 67, Box 350, Fontana, WI 53125  
PADI trng fac, US Diver, Dacor & Scubapro

**KLEIN SCUBA**  
(715) 675-6722  
2210 North 14th, Wausau, WI 54401  
PADI Dive Center

**REEFPPOINT DIVING CENTER**  
(414) 886-8501  
5600 Spring Street, Racine, WI 53406  
PADI full service dive center, charters & travel

**THE UNDERWATER CONNECTION**  
(414) 251-8283  
N87 W16459 Appleton Avenue  
Menomonee Falls, WI 53051  
Call for vacation rmtl-condominiums in Bahamas

**UNDERWATER VENTURES, INC.**  
(715) 834-0002  
2950 London Sq. Mall, Eau Claire, WI 54701  
PADI 5@fac, US Divers / Poseidon / Parkway

# DIVE STORE DIRECTORY

**WATER WORLD**  
(414) 654-4434  
5811 6th Avenue, Kenosha, WI 53140  
PADI full svc dive center, trips, comm. diving

## INTERNATIONAL DIVE STORES

### ARUBA

**ARUBA SCUBA CENTER**  
(011) 2978-21596  
A De Musset Str., #1, Oranjestad, Aruba  
We specialize in small, private parties, NAUI

**DAX DIVERS ARUBA**  
67700  
Kibaima 7, Aruba  
Small groups. PDIC, ISEA, NASE certifications

**MERMAID SPORT DIVERS INC.**  
(011) 2978-35546  
L.G. Smith Blvd. #55, Manchebo Beh Hotel, Aruba  
Free Introductory Scuba Course

**UNIQUE SPORTS OF ARUBA**  
(800) 345-2782 / (011) 2978 60096  
Aruba Palm Beach Resort & Casino  
Reef, wreck & nt dives, 40' boat, combo dive/ hotel packages

### AUSTRALIA

**DEEP SEA DIVERS DEN** Great Barrier Reef  
Int +61-70-312233 Fax Int+ 61-70-311210  
P.O. Box 5264 Cairns Qld. 5@ PADI IDC,  
Liveaboard 1 day-multiday, daily, dive courses

### BAHAMAS

**BAHAMA DIVERS** (809) 393-5644  
PO Box 5004 Nassau, Bahamas. Packages available (800) 398-DIVE PADI 5@ FACILITY  
Dives: Deep Wrecks, Blue Holes & Walls

**BRENDALS DIVE SHOP INTL. LTD.**  
(800) 780-9941 or direct (809) 365-4411  
Green Turtle Cay, Abaco, Bahamas / Dive unspoiled barrier reef, catacombs, caverns, wrecks  
Dive/hotel pkg from \$305, indiv or group pkgs

**DIVE DIVE LTD.**  
(800) 368-3483 / (809) 362-1143  
P.O. Box N-8050, Nassau, Bahamas  
Tongue of Ocean Walls, wrks, reefs, & shark dv, PADI fac, Pickup fm all hotels, complete pkgs

**STUART COVE'S-DIVE SOUTH OCEAN**  
(800) 879-9832 (in Nassau)/(809) 362-4171  
Gateway to the exciting James Bond movie sites & drop off to the tongue of the ocean. Home of the Shark Adventure. Nassau's only complete dive resort.

**VALENTINE'S DIVE CENTER**  
(800) 383-6480/(502) 897-6481 U.S.  
P.O. Box 1, Harbour Island, Bahamas  
AM, PM & night dives. All levels of instr. mntls, U/W Photo, & Video, indiv & grp pkgs.

### BARBADOS

**THE DIVE SHOP LIMITED**  
(809) 426-9947 / (809) 426-2031 fax  
P.O. Box 44-B, St. Michael, Barbados, W.I.  
Daily trips, reefs, wrecks, PADI, NAUI, referrals

### BELIZE

**BLACKLINE DIVE SHOP**  
011 (501) 23-3187 / 011 (501) 23-1975 fax  
PO Box 332, Belize City, Bel, Cntl. America  
NAUI, daytrips to Bar. Reef, cayes & atolls.

**ST. GEORGE'S LODGE**  
(800) 678-6871 U.S./011 (501) 24-4190 Belize  
"Excellent food & accommodations," *Undercurrent* '89, certifications, prof. guided diving

### BONAIRE

**BLACK DURGON INN BONAIRE**  
(800) 526-2370 / (201) 566-8866 NJ  
US Office: P.O. Box 775, Morgan, NJ 08879  
Sm seaside resort, apts. excellent snorkeling, diving fnt. pkg.

**CARIB INN**  
011-599-7-8819/011-599-7-5295 FAX  
P.O. Box 68, Bonaire, Netherlands Antilles  
PADI - All levels - Full retail shop

### BORNEO

**PULAU SIPADAN RESORT**/ Sipadan Island  
tel 6089-765200 (6089-763575/763563 fax)  
PO Box 290, 91007, Tawau, Sabah, Malaysia  
3 daily boat dives / unlimited wall dives, sundeck overlooking sunset, open 365 days, sp. for groups. Dive Sipadan!

### B. V. I.

**BASKIN IN THE SUN**  
(800) 233-7938/(809) 494-7938  
P.O. Box 108, Tortola, BVI  
PADI 5@ dive center & IDC

**DIVE BVI LTD.**  
(800) 848-7078  
Box 8309 Cruz Bay, St. John, USVI 00831  
PADI 5@ & NAUI dream resort, small groups our specialty, PADI & NAUI certs.

**KILBRIDES UNDERWATER TOURS**  
(809) 495-9638/(800) 932-4286  
P.O. Box 46, Virgin Gorda, BVI  
NAUI, PADI

**RAINBOW VISIONS PHOTOGRAPHY**  
(809) 494-2749  
P.O. Box 680, Roadtown, Tortola, BVI  
Photo/Video - mntls, sales, instr, processing  
PADI photo courses

### CANADA

**CEA CANUCKS**  
(416) 385-3064  
1104 Fennell Ave. East, Hamilton  
Ontario, Canada L8T 1R9

**CLAVELLA ADVENTURES LIVE-ABOARD**  
(604) 753-3751/(604) 755-4014 FAX  
Box 866-S, Nanaimo, B.C., Canada V9R 5N2  
B.C.'s full service live-aboard since 1980

**DIVERS DOWN**  
(416) 787-0264  
1182 Eglinton Avenue West  
Toronto, Ontario, Canada M6C 2E3  
Great Lake charters, full service

**DIVERSWORLD**  
(604) 732-1344  
1817 West 4th Ave, Vancouver, B.C. V6J 1M4  
PADI full service facility

**FLOAT N' FLAG**  
(416) 333-DIVE/(416) 637-3483 FAX  
564 Plains Road East  
Burlington, Ontario, Canada L7T 2E5  
U/W photo/video specialists

**INNERSPACE DIVERS SUPPLY**  
(416) 420-8331  
1848 Liverpool Rd., #10, Pickering, Ontario,  
L1V 1W3/Specializing in tech diving equipment

**PSD UNDER-WATER-SPORTS**  
(604) 386-3483  
2519 Douglas St., Victoria, B.C., Canada  
V8T 4L9  
PADI 5@ IDC, full lines, charters, rentals

### COSTA RICA

**AGUILA DE OSA INN**  
011-506-32-7722  
Hotel is in Drake Bay OSA Peninsula  
Dive Isla del Cano, The Marine Adventure

**CONDOVAC LA COSTA-VIRGIN DIVING**  
(506) 67-0472  
P.O. Box 181-5019, Playa del CoCo  
Trips, rentals, courses

**DEEP SEA SCUBA**  
506-89-8191  
Dept 262, P.O. Box 025216, Miami, FL 33102  
PADI, PDIC, trips, mtl, eco-tours, cert, eq. sls

**DIVING SAFARIS**  
(800) 328-5285/011 (506) 67-0012  
PADI instr., equip. rental, referrals, photo trips,  
resort El Ocotal

### CUBA

**ScubaCUBA, HAVANA HIGHLIGHTS**  
8610 Seawall Blvd. Suite 230  
Galveston, Texas 77551  
Informational items available

### FIJI

**MATAGI ISLAND RESORT/LIVABOARD**  
(800) 3-MATAGI  
(800) DIVE-MATAGI (Canada)  
Small, intimate, privately owned Island, also offering live-aboard dive boat.

**NUKUBALAVU RESORT-KADAVU**  
(800) 854-3454 / (679) 303160 fax  
P.O. Box 228, Suva, Fiji Budget Diving,  
Astrolabe Reef - Beachfront lots for sale.

### GRAND CAYMAN

**AQUA'NAUTS**  
(800) 357-2212 / (809) 945-1991 fax  
PO Box 30147 SMB, Grand Cayman BWI  
PADI Dive Centre/ small personalized groups

**BOB SOTO'S DIVING, LTD.**  
(800) 262-7686 / (809) 949-8731 fax  
Established 1957. Grand Cayman's only PADI 5@  
fac, Air, land, & dive pkgs via Cayman Airways.  
Computers welcome. One call does it all!

**QUABBIN DIVES, LTD.**  
(809) 949-5597  
P.O. Box 157, Grand Cayman, BWI  
Computer diving, small groups, custom diving

**RALPHIE'S FOR THE LOVE OF DIVING**  
(809) 949-3099/(800) 453-8984  
Box 30442 SMB, Grand Cayman, B.W.I.  
20 min. by boat to North Wall & Stingray City.  
Small groups, two custom 40' dive boats.  
Top notch PADI instructional facility.

**STINGRAY CITY TRAVEL & TOURS**  
0-700-STINGRAY  
U.S. Office: 8610 Seawall Boulevard #230  
Galveston, TX 77551

### INDONESIA

**BALI MARINE SPORTS**  
062-361-87872 FAX  
Jalan By Pass Ngurah Rai, Blanjong, Sanur,  
Kauh, Denpasar, Bali, Indonesia  
PADI Instr., daily trips, equip. sales, land tours

**NUSANTARA DIVING CENTRE**  
62 (431) 63988/60638 & 62 (431) 60368 fax  
Molas Beach, PO Box 1015, Manado 95001  
North Sulawesi, Indonesia  
Dive tour, snorkeling tour & dive school, cottages

### JAMAICA

**NEGRIL SCUBA CENTRE**  
(809) 957-4425  
PO Box 49, Negril, maica  
Resort courses, dive/hotel pkgs, u/w camera  
rental, night dives, PADI, NAUI, YMCA

### MEXICO

**BAJA EXPEDITIONS-SEA OF CORTEZ**  
(800) 843-6967/(619) 581-6542 FAX  
Live-aboard trips to LA PAZ and SOCORRO  
ISLAND. LA PAZ HOTEL PKG: 3 dives/day,  
3 nights w/air from LAX \$549. FREE brochure,  
2625 Garnet Ave, San Diego, CA 92109

**DIVENTURE**  
5-45-37-83  
Campos Eliseos #82  
Mexico, D.F. 11560

**PRO DIVE COZUMEL**  
(987) 20221 / (987) 22192 fax  
P.O. Box 56, po 5th Ave. Adolfo RS  
Cozumel, Q. Roo Mexico 77600  
We offer all kinds of diving services!

### PANAMA

**SCUBA PANAMA**  
(507) 61-3841  
Box 666, Balboa, Republic of Panama, C.A.  
NAUI, PADI, CMAS, SSI, LA County

### PUERTO RICO

**CALYPSO DIVERS PADI 5@DIVE CTR**  
(800) 866-5816 / (809) 899-6212 local  
Dive the walls and reefs of La Parquera on  
the Caribbean side of the Island with us.

**OCEAN SPORTS**  
(809) 268-2329  
77 Isla Verde Ave., Isla Verde, P.R. 00913  
Full svc, store, dive & snorkel trips every day,  
PDIC, NAUI, YMCA, CMAS

**SCUBA WORLD**  
(809) 753-3897  
El Senorial Mail Station, Suite 864  
San Juan, P.R. 00926  
PADI, full service facility

**SOLIMAR DIVERS**  
(809) 741-2164  
158 Flamboyant Street, Bo Esperanza  
Vieques, PR 00765  
PADI, daily boat dives, wrecks, caves & more!

### SABA

**SABA DEEP DIVE CENTER**  
011-599-463347 / 011-599-463397 fax  
PO Box 22, Fort Bay, Saba, Neth. Ant., DWI  
Full service dive center, restaurant, boutique  
NAUI, PADI, ACUC, complete pkgs available

**SEA SABA DIVE CENTER**  
011-599-46-2246 / 011-599-46-2362 fax  
P.O. Box 530 Windwardside, Saba, NA  
Lg. comfortable, dive boats, lush tropical island

**WILSON'S DIVE SHOP/SABA DIVERS**  
phone fax 011-5994-62541/63334  
P.O. Box 50, Saba, Netherlands Antilles  
Personalized diving, small groups - big boats

### THAILAND

**FANTASEA DIVERS**  
(6676) 340088  
93/58 Taweeewong Road  
Patong Beach Phuket, Thailand 83150  
PADI 5@ Dive Center

### TURKS & CAICOS ISLANDS

**TURTLE INN DIVERS**  
(800) 541-1062 / (815) 633-3993 fax  
Enjoy the beautiful waters of Providenciales.  
Come dive or snorkel on our 45' custom built  
catamaran equipped w/4 fresh water showers &  
marine head on board

### U.S.V.I.

**PELICAN'S PERCH**  
(303) 933-7919 Rent a St. Thomas condo!  
Lots of room for dive gear / 3br, 3ba, quiet,  
secure. With or without 5@PADI dive package.

**LOW KEY WATERSPORTS**  
(809) 693-8999 / (800) 835-7718  
P.O. Box 431, St. John, U.S.V.I. 00831  
PADI 5@IDC trng fac, beginner-expert diving

### VENEZUELA

**DIVER'S CENTER**  
0058-2-921229  
Av. Rio De Janeiro Qta. Diver's Center  
Caracas, Venezuela  
Special trips, PADI 5@ training facility

**OCEAN DIVERS**  
041-671320  
Ave. Bolivar Norte CC Guaparo  
Valencia, Venezuela  
Special trips, PADI 5@ training facility

# IS SPORT DIVING A SPORT?

**W**hether diving qualifies as a sport or not depends, of course, on what definition of "sport" you use. I generally think of sports as activities which involve competition and physical exertion, while serving no useful purpose (as opposed to "work") other than exercise. By these criteria, good diving is the anthesis of "sport," although, like sport it can be good recreation. I maintain that, regardless of what the training agencies tell you, if you're burning more calories diving than you do strolling through the woods, you're not doing it right. Breathing hard, a simple indicator of good exercise, can be deadly underwater. Moving fast underwater is moving inefficiently, and scares away most of the animals that make the reef a more interesting place than your living room. Most sorts of competition that have been applied to diving, from spearfishing and bug-grabbing contests, to the eternal quest to see who can dive the deepest or stay down the longest, are either dangerous to the contestants or to the native inhabitants of that alien realm which has been appropriated as a playing field for our amusement.

Let's face it, with the exception of a few marinas and other impacted zones, the entire ocean is a wilderness area, not a sports arena. If you want to play sports, such as underwater hockey, you should be in a pool, where you won't be wrecking the reef. It's worth noting that true

underwater sports of this sort do not involve the use of scuba equipment, due to the obvious limitations to breathing and movement.

So, if diving isn't a sport, what is it? Cinematographer Howard Hall came up with the most concise definition I've heard: it's transportation. Scuba diving is the technology which allows you to enter the most intriguing and least known untamed wilderness on our planet. People who become obsessed with the technology are missing the point. When you go hiking in Yellowstone, the important thing is not the backpack. The backpack merely carries the supplies that enable you to get out where the bears and bison are. And if you're hiking just to build up your leg muscles, let me suggest "Thighmaster."

To our shame, our marketing efforts in the dive industry have convinced a lot of nice people who have no affinity with the ocean or its inhabitants that diving is a "fun sport," and they should be doing it to enjoy themselves on their vacations. Once they

We need to  
REDEFINE diving,  
not as a SPORT, but as  
a means of  
ENJOYING  
nature.

put on their tanks and masks they expect to be having

fun, and when they go underwater and don't find a program of entertainment, they attempt to provide it themselves by chasing the animals around. How do you suppose the rangers in our national parks would respond to a bunch of bozos trying to ride the bison, yank the elks' tails, and feed the grizzlies? Yet, this is exactly the behavior of a typical group of "sport divers" when they encounter sea turtle, mantas, whale sharks, stingrays, and other wild animals in our underwater parks. It's not their fault. It's the fault of the dive magazines which are still publishing photographs depicting happy divers grabbing struggling sea turtles, and the training agencies and dive shops which promote diving as the yuppie sport of the 90s without adequately stressing the diver's responsibility towards the environment throughout all phases of training.

We need to redefine diving, not as a

sport, but as a means of enjoying nature. The emphasis of training should be on the aquatic environment and the fascinating array of life it supports. Diving techniques (including the much neglected and maligned art of snorkeling) should be taught in relation to their applicability towards observing plants and animals in their natural state (i.e. neither fleeing from the diver nor flocking towards his can of cheese whiz), with the primary goal being minimization of stress to the animals and harm to the environment.

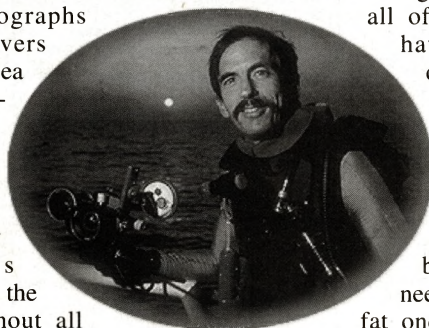
I'm not saying that no one should ever use bait to attract a fish for a photo, or that fish should never be killed for food. Nor am I saying that we should all hover 20 feet above the reef all the time so that we never touch it. I'm saying we should stop saying that "diving is fun." It only takes people about three dives (just long enough to get over the fear) to realise that it's not any fun if you don't have anything to do and you don't know what's going on down there. Let's admit that diving is just doing the same thing we do all the time: breathing. Doing it underwater is a bit novel for most people, but breathing is still not very exciting, especially when it involves lugging heavy equipment about. Our motto should be "Watching fish is fun," or "Sea slugs are beautiful,"

coupled perhaps with the selling point that "Diving takes you there!" Every dive class and dive tour should have an orientation to the local marine environment and the opportunity for guided exploration with a trained naturalist. Marine ecology should be required subject matter in every dive instructor curriculum.

I applaud organizations like REEF and the Cayman Islands Marine Lab that have combined "sport diving" with "eco-diving." And it's heartening to see that some live-aboards are offering "eco-diving" courses, too. But such ventures cannot prosper without customers. It's up to each dive instructor to create the demand for this sort of experience by communicating to the students the attitude that it's the chance to observe alien lifeforms that makes it all worthwhile. Otherwise we'll always be looking for the elusive "virgin" diving spot because

all of the established sites have been "ruined" by divers who grabbed everything that came close, and chased all the interesting animals away. Finally, let's get some exercise bikes on those dive boats. We're going to need another way to burn fat once we quit swimming and start watching what the fish are

—Doug Perrine



# HARVEY'S

## SCORES WHERE IT COUNTS

### NATIONAL SURVEY RESULTS

#### Harvey's Suits

Durability	9.2
Fit	8.4
Style/Color	8.2
Price/Value	8.8

#### Harvey's

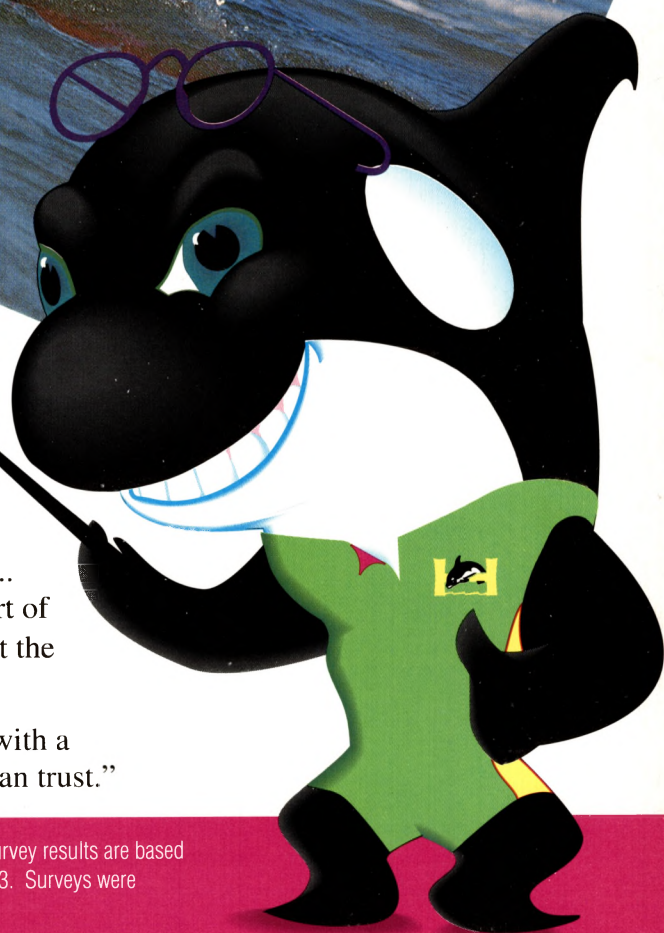
Customer Service	9
Technical Support	8.6

When you add everything up ...  
what counts is trust. You know the sport of  
diving is exciting enough without worrying about the  
integrity of your suit.

So Harv says, "Go with me on this one! Be safe, dive with a  
buddy, and always dive with Harvey's -- The suit you can trust."

Dealer survey scores are based on a scale of 1-10 with 10 as the highest score possible. Survey results are based on a series of national surveys conducted in December of 1992 and through September 1993. Surveys were conducted by an independent marketing company based in Olympia, Washington.

**For the nearest authorized Harvey's dealer in your area, call 1-800-347-0054**



# *Diving Decisions Made Quick, Clear & Easy.*



## **PIANA AVANTI QUATTRO**

Mares dramatically improves its revolutionary two Channel Thrust Technology™ with the introduction of the new Four Channel Avanti Quattro Fin. This enhanced technology delivers at least 20% more power than our world famous Piana Avanti. The Avanti Channel Thrust Technology™ maximizes the channeling of water directly behind the fin...where you want it to be. 100% of your effort translates into thrust, speed, and stability, with the most optimum exertion-to-thrust efficiency ratio on the market. Quite simply, the new Avanti Quattro is the quickest and most efficient fin in the world.



## **ESA MASK**

Mares revolutionizes today's underwater vision with the introduction of the world's first six window mask...the ESA. The lower lenses are perfectly angled to allow divers to see their BC pockets, weight belt, and can even be changed out for magnifying positive diopter lenses (like bi-focals) to make gauge reading and photo equipment settings come into "close-up" view. The two front lenses may also be changed out to accommodate your choice of prescription lens. Providing the ultimate in aquatic ambiance, the ESA is clearly the most advanced mask on the market.



## **SAHARA DRY SNORKEL**

Mares' newest snorkel addition was designed as the perfect compliment to our Quattro Fin and ESA Mask. Our patent pending Ball Purge System minimizes the expiration effort to clear the snorkel while allowing dry, unobstructed breathing. The Dry Cap prevents water from splashing into the snorkel when snorkeling. This is undoubtedly the ideal snorkel for beginning and advanced divers alike. The Sahara Dry...the easiest snorkel you will ever use.



4801 North 63rd Street  
Boulder, Colorado 80301



CALL

1-800-874-3236

EXT. 600

FOR AN 18 MINUTE  
EQUIPMENT EDUCATION  
VIDEO PACKAGE.